Form 3160-3
(February 2005)

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-66421

6. If Indian, Allotee or Tribe Name
NA

7. If Unit or CA Agreement, Name and No.
NA

8. Lease Name and Well No.
Federal H 34-30

9. API Well No.
43-047-38883

1a. Type of work: ☑ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☐ Single Zone ☑ Multiple Zone

2. Name of Operator
Summit Operating LLC

3a. Address **P.O. Box 683909 Park City UT, 84068**

3b. Phone No. *(include area code)*
435-940-9001

10. Field and Pool, or Exploratory
Natural Buttes

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface 602' FSL & 2088' FEL SW 1/4 S/E 1/4 39.914339
At proposed prod. zone **same as above** 4419494 -109.253949

11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 30, T10S. R24E

14. Distance in miles and direction from nearest town or post office*
Approximately 65.8 miles in a southeasterly direction from Vernal UT

12. County or Parish
Uintah

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
602'

16. No. of acres in lease
2,240 Acres

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
1,600'

19. Proposed Depth
7,100'

20. BLM/BIA Bond No. on file
UTB-000014

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5,312 GR

22. Approximate date work will start*
12/01/2006

23. Estimated duration
30 Days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature — Name *(Printed Typed)*: **Ginger Stringham** — Date: **02/16/2007**

Title: **Agent**

Approved by *(Signature)* — Name *(Printed Typed)*: **BRADLEY G. HILL** — Date: 03-01-07

Title — Office: **ENVIRONMENTAL MANAGER**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

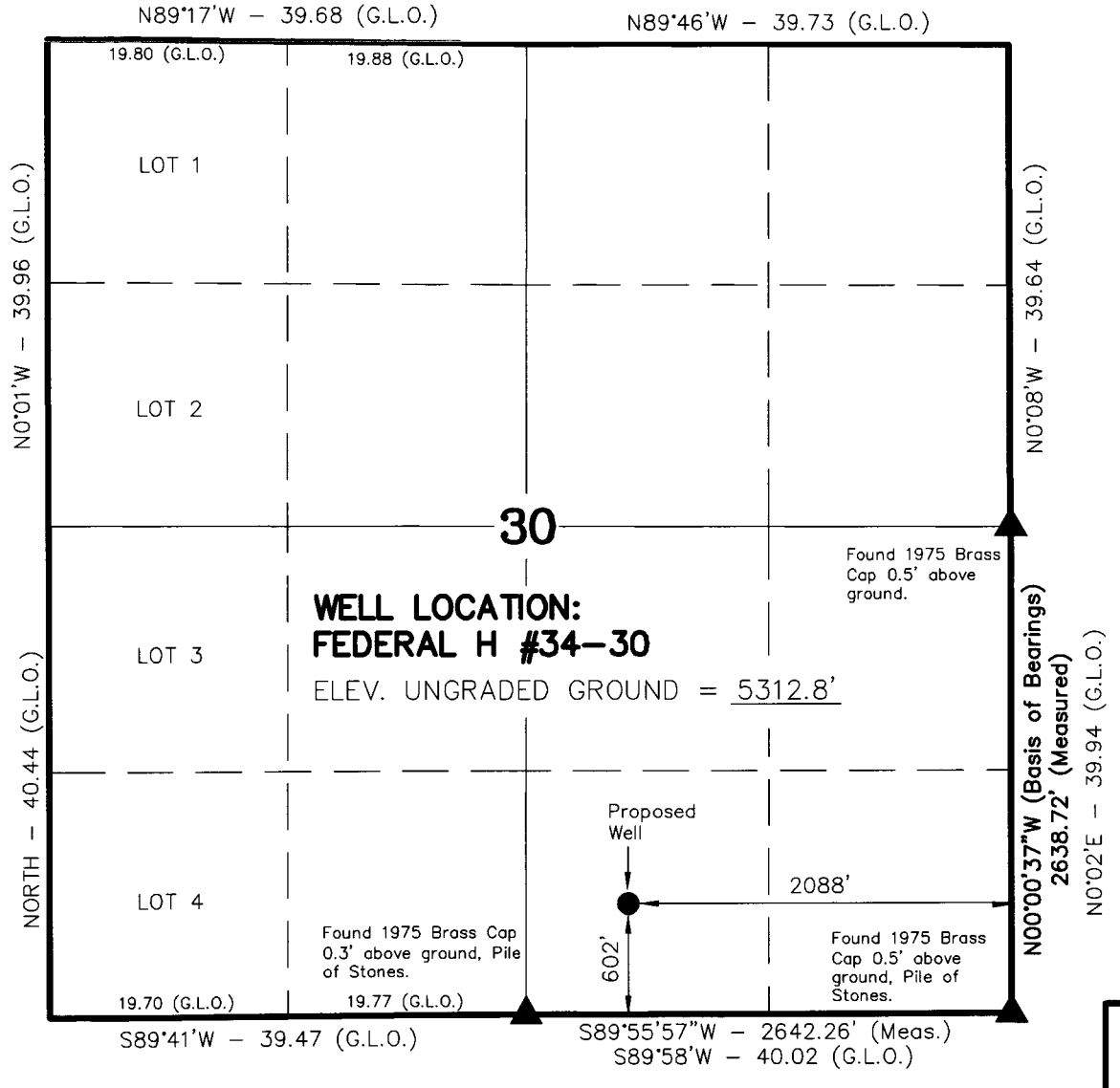
Federal Approval of this Action is Necessary

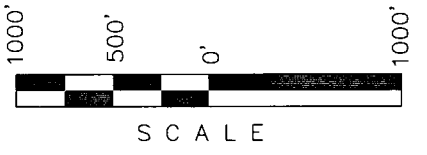
RECEIVED
FEB 2 2 2007
DIV. OF OIL, GAS & MINING

T10S, R24E, S.L.B.&M.

SUMMIT OPERATING, LLC

WELL LOCATION, FEDERAL H #34-30, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 30, T10S, R24E, S.L.B.&M UINTAH COUNTY, UTAH.

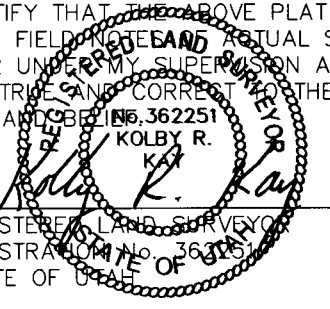




NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REGISTERED LAND SURVEYOR
REGISTRATION No. 362251
STATE OF UTAH

▲ = SECTION CORNERS LOCATED

BASIS OF ELEVATION IS BENCH MARK 87 EAM 1965 LOCATED IN THE SE 1/4 SW 1/4 OF SECTION 1, T12S, R23E, S.L.B.&M. THE ELEVATION OF THIS BENCH MARK IS SHOWN ON THE ARCHY BENCH SE 7.5 MIN. QUADRANGLE AS BEING 5887'.

FEDERAL H #34-30
(Proposed Well Head)
NAD 83 Autonomous
LATITUDE = 39° 54' 51.80"
LONGITUDE = 109° 15' 17.23"

TIMBERLINE LAND SURVEYING, INC.
38 WEST 100 NORTH. – VERNAL, UTAH 84078
(435) 789-1365

DATE SURVEYED: 10-26-06	SURVEYED BY: B.J.S.	SHEET 2 OF 10
DATE DRAWN: 10-27-06	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised: 02-12-07	

Ten Point Plan

Summit Operating LLC

Federal H #34-30

Surface Location SW ¼ SE ¼,

Section 30, T10S. R24E.

1. **Surface Formation**
   Green River

2. **Estimated Formation Tops and Datum:**

Formation		Depth	Subsea
Green River		Surface	+5,312'G.R.
Wasatch	Oil/Gas	2,580'	+2,732'
Mesa Verde	Oil/Gas	4,480'	+ 832'
Mancos	Oil/Gas	6,300'	- 988'
TD		7,100'	-1,788'

All fresh water prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. **Producing Formation Depth:**
   Objective Formations include the Wasatch 2,580'- 4,480', Mesa Verde 4,480'- 6,300' and the Mancos 6,300'- 7,100'.

4. **Proposed Casing:**

Hole Size	Casing Size	Weight/FT	Grade	Coupling & Tread	Casing Depth	New/Used
17 ¼	13 3/8	61#	N-80	ST&C	300'	NEW
12 ¼	8 5/8	24#	N-80	ST&C	2,500'	NEW
7 7/8	4 ½	11.6#	N-80	LT&C	7,100'	NEW

Cement Program:

Surface casing will be cemented as follows from 0'-300':
Note: Cement Volume = Gauge hole + 50%

	Casing Size	Cement Type	Cement Amounts	Cement Yield	Water Mix	Cement Weight
Lead:	13 3/8"	Class "G" 6 bag mix ready mix	360 sks +/-	1.18ft³/sk	5	15.6 ppg

Intermediate casing will be cemented as follows from 0'- 2,500':
Cement volume = Gauge hole + 50%

	Casing Size	Cement Type	Cement Amounts	Cement Yield	Water Mix	Cement Weight
Lead:	8 5/8"	Premium "5" 16% Gel 10#/sk Gilsonite 3% Salt 3#/sk GB3 0.25#/sk Flocele	700 sks. +/-	3.82ft³/sk	23	11.0 ppg

Production casing will be cemented as follows from 2,380'- 7,100:
Note: Lead should be 200' above the Wasatch.
Cement volume = Gauge hole + 25%

	Casing Size	Cement Type	Cement Amounts	Cement Yield	Water Mix	Cement Weight
Lead:	4 ½"	Premium "5" 16% Gel 10#/sk Gilsonite 3% Salt 3#/sk GB3 0.25#/sk flocele	920 sks. +/-	3.82ft³/sk	23	11.0 ppg

5. **BOP and Pressure Containment Data:**

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 13 3/8" surface casing. An upper kelly cock to the required pressure rating with a handle available shall be employed.
The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

6. **Mud Program:**

Interval	Mud weight lbs./gal.	Viscosity Sec./OT.	Fluid Loss Ml/30 Mins.	Mud Type
0-2,300	Air/Clear Water	------	No Control	Water/Gel
2,300-T.D.	8.4-12.0	30-45	8-10	LSND water based mud system

Note: Mud weights may exceed 12.0 due to solids increasing at or near T.D. Increased weights are not required to control formation pressure.
Operator will have on location sufficient mud and weight material to increase mud weight to 12.0 at any time while drilling the subject well. Visual mud monitoring incorporating pit level indicators shall be used.

7. Testing, Coring, Sampling and Logging:

a) DST: None are anticipated.

b) Coring: There is the possibility of sidewall coring.

c) Mud Sampling: Every 10' from 2,300' to T.D.

d) Logging:

Type	Interval
DLL/SFL W/GR and SP	T.D. to Surf. Csg
FDC/CNL W/GR and CAL	T.D. to Surf. Csg

8. Abnormalities (including sour gas)

Anticipated bottom hole pressure will be less than 3000 psi. No abnormal pressures, temperatures or other hazards are anticipated. Other wells drilled in the area have not encountered over pressured zones or H2S.

9. Other facets of the proposed operation:
Off set well information:

Producing Wells:	**Shut in Wells:**
FED H 21-31	**FED H 14-30**
FED H 12-30	

10. Drilling Schedule:

The anticipated starting date is upon approval. Duration of operations is expected to be 30 days.

13. Lessees or Operator's representative and certification

A) Representative

Ginger Stringham
Paradigm Consulting
PO BOX 790203
Vernal, UT 84079

Office 435-789-04162
Fax 435-789-8188
Cellular 435-790-4163

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.
This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by Summit Operating, LLC and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for filing of a false statement.

Onsite Dates:

Self Certification Statement

The following self-certification statement is provided per Federal requirements dated June 15, 1988.

Please be advised that Summit Operating, LLC is considered to be the operator of the following well:

Federal H #34-30
Section 30, T. 10S, R. 24E
SW ¼ of the SE ¼
Lease UTU-66421
Uintah County, Utah

The Summit Operating, LLC is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond UTB-000014 provides state-wide bond coverage on all Federal Lands.

Date 2-11-08

Ginger Stringham, Agent
Paradigm Consulting

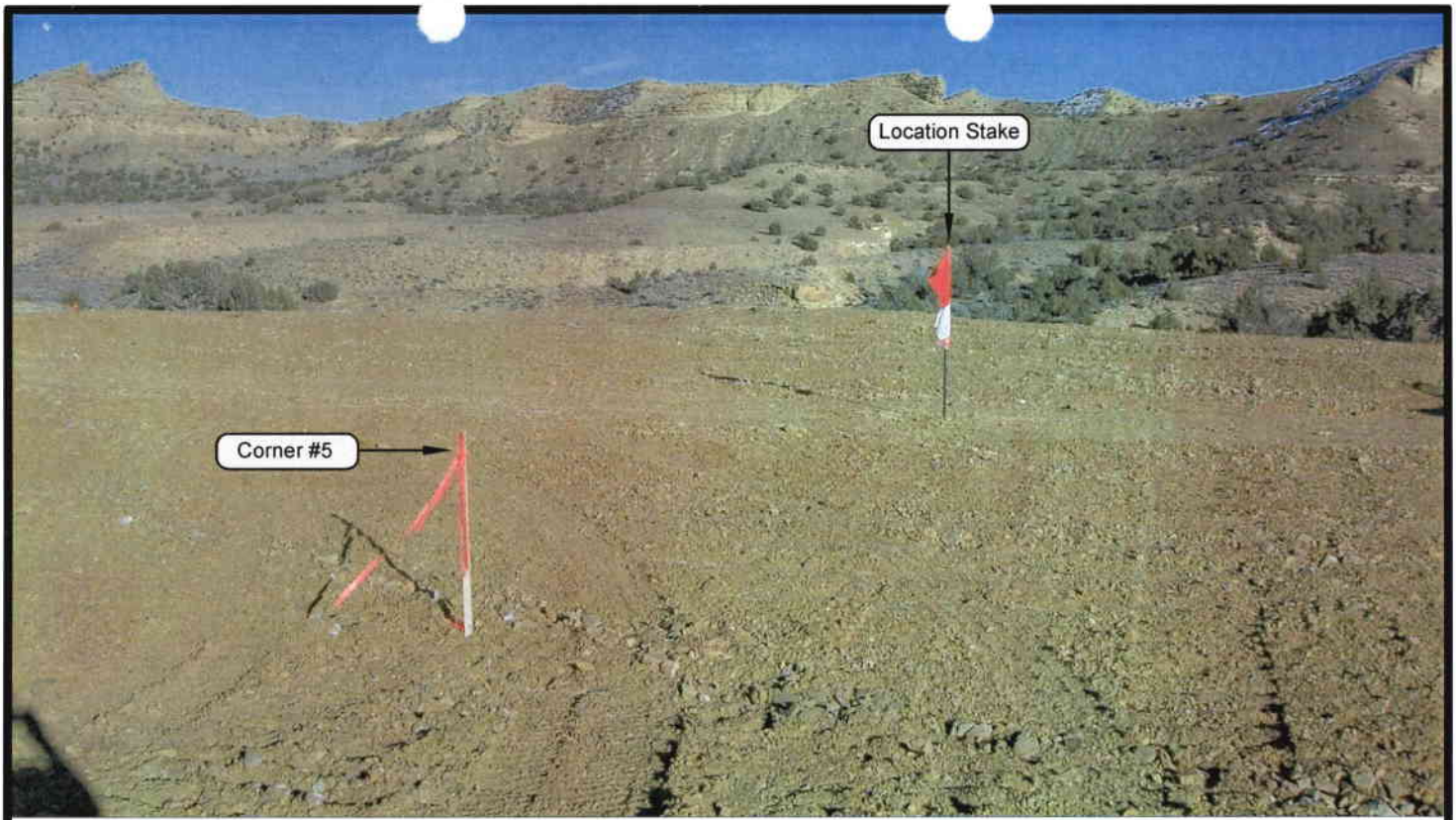


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE CAMERA ANGLE: SOUTHEASTERLY

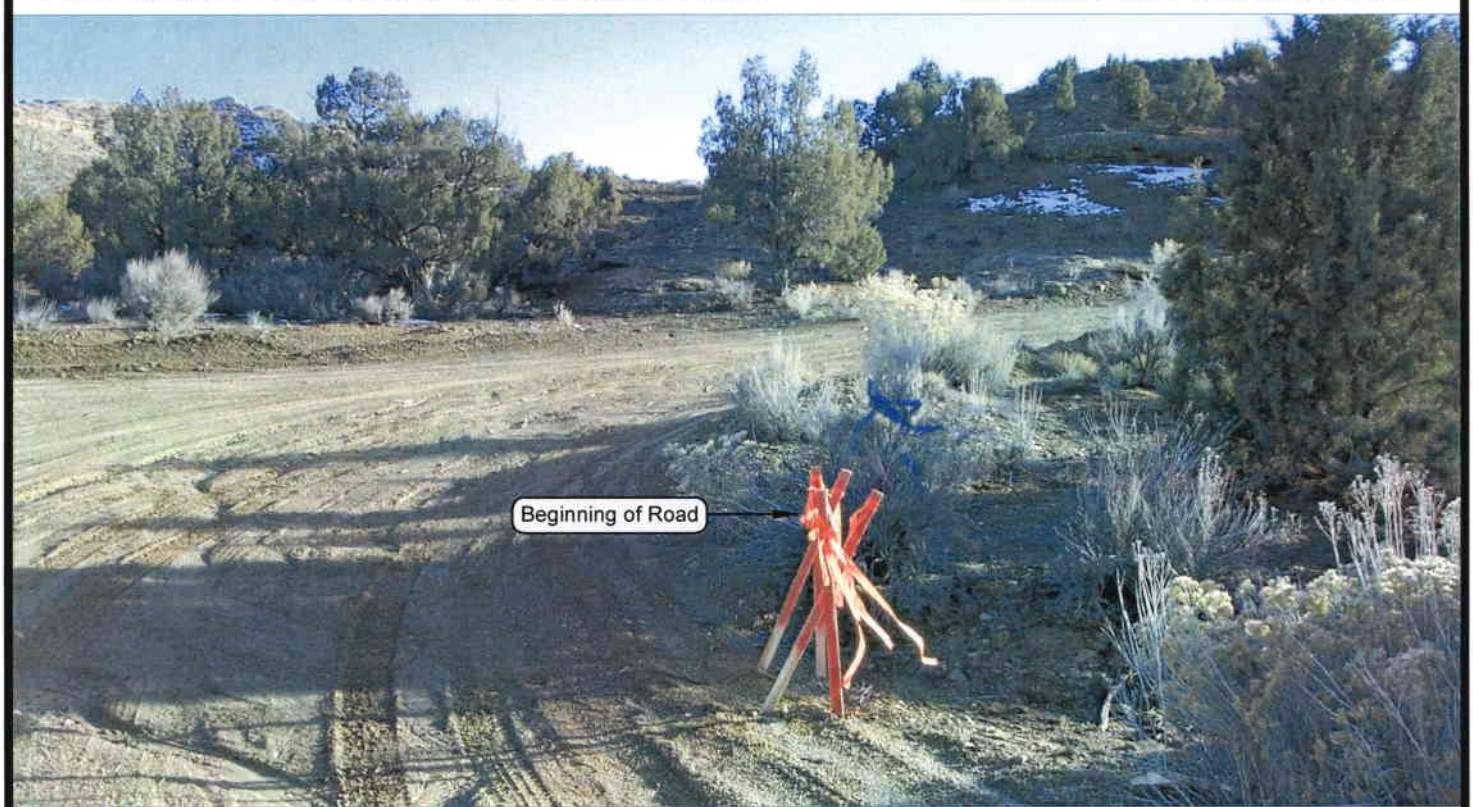


PHOTO VIEW: FROM BEGINNING OF ACCESS ROAD CAMERA ANGLE: SOUTHWESTERLY

SUMMIT OPERATING, LLC

FEDERAL H #34-30
SECTION 30, T10S, R24E, S.L.B.&M.
602' FSL & 2088' FEL

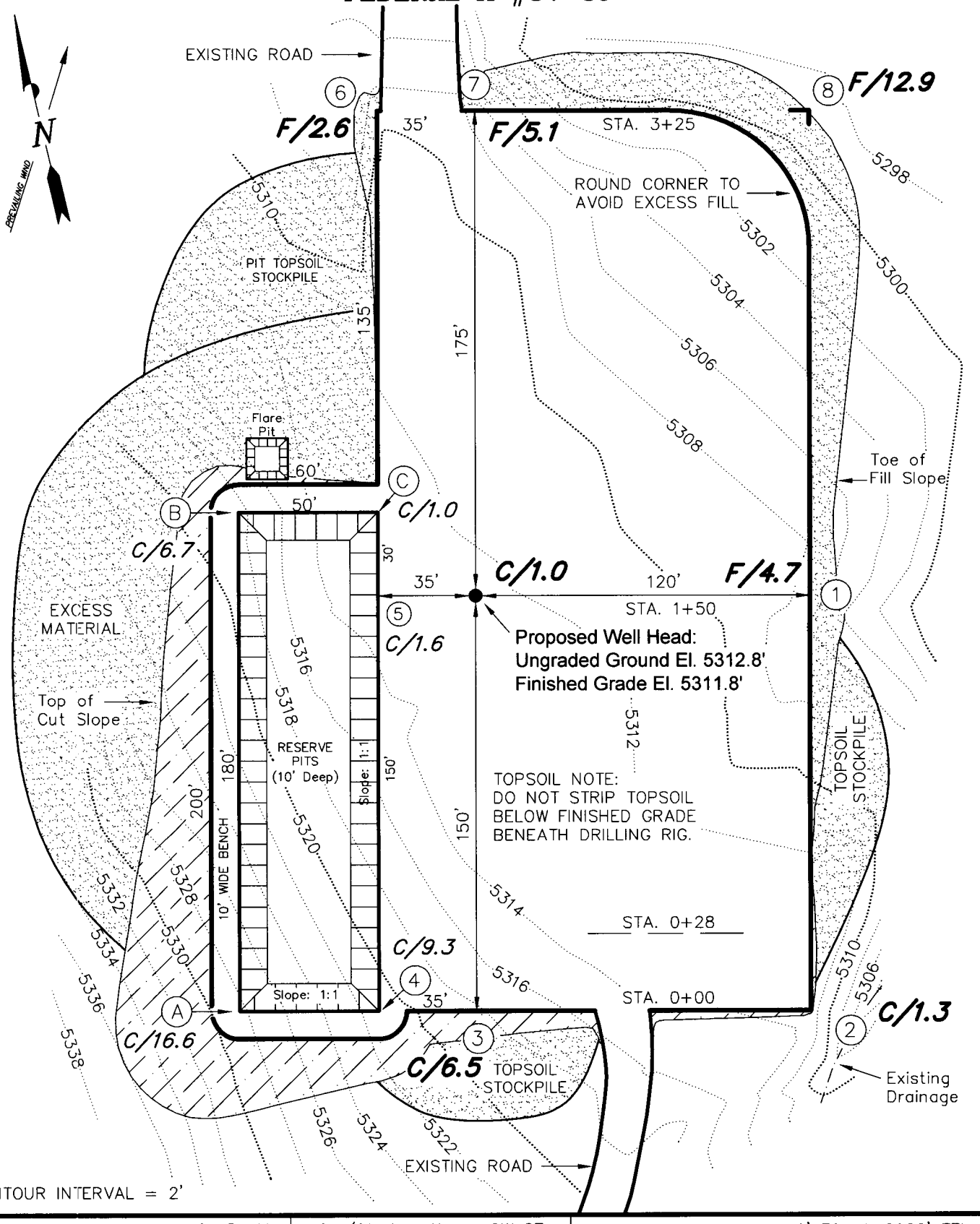
LOCATION PHOTOS		DATE TAKEN: 10-26-06
		DATE DRAWN: 10-27-06
TAKEN BY: B.J.S.	DRAWN BY: M.W.W.	REVISED: 02-12-07

Timberline Land Surveying, Inc.
38 West 100 North Vernal, Utah 84078
(435) 789-1365

SUMMIT OPERATING, LLC

CUT SHEET

FEDERAL H #34-30



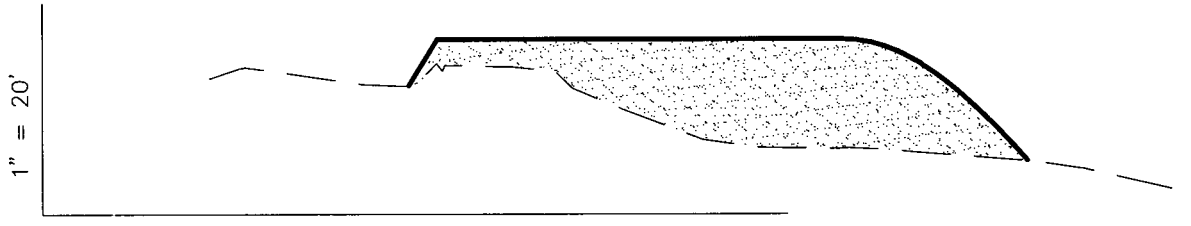
CONTOUR INTERVAL = 2'

Section 30, T10S, R24E, S.L.B.&M.	Qtr/Qtr Location: SW SE		Footage Location: 602' FSL & 2088' FEL	
Date Surveyed: 10-26-06	Date Drawn: 10-27-06	Date Last Revision: 02-12-07	Timberline Land Surveying, Inc. (435) 789-1365 38 WEST 100 NORTH VERNAL, UTAH 84078	SHEET 3 OF 10
Surveyed By: E.J.S.	Drawn By: M.W.W.	Scale: 1" = 50'		

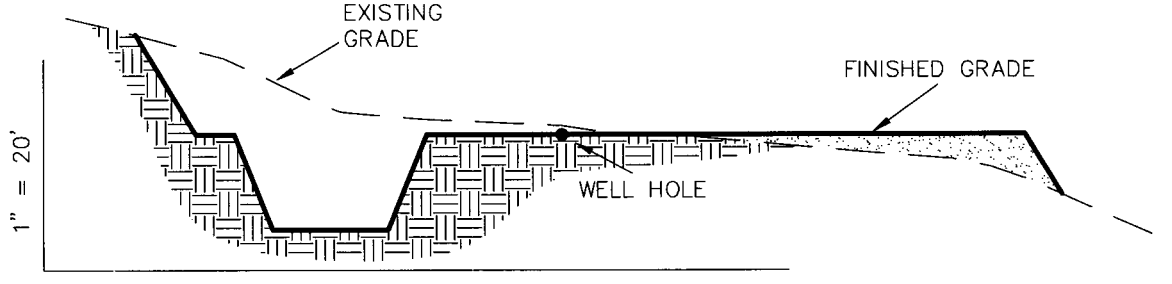
SUMMIT OPERATING, LLC

CROSS SECTIONS

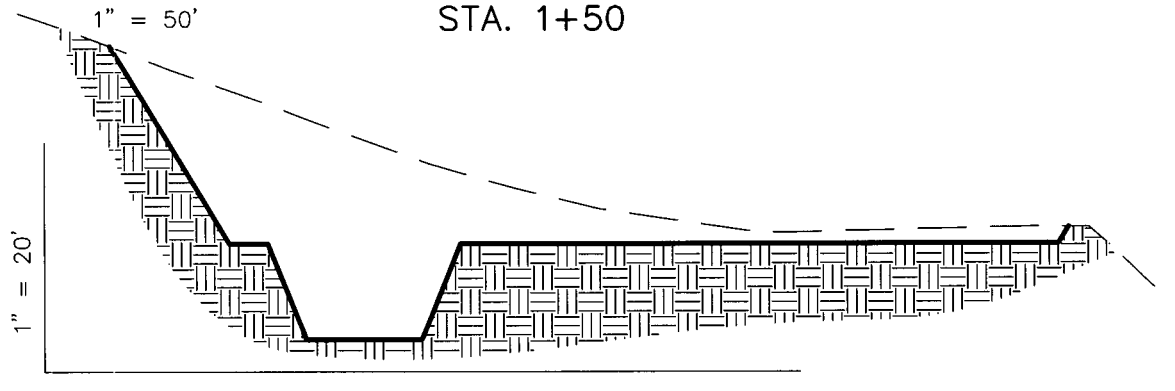
FEDERAL H #34-30



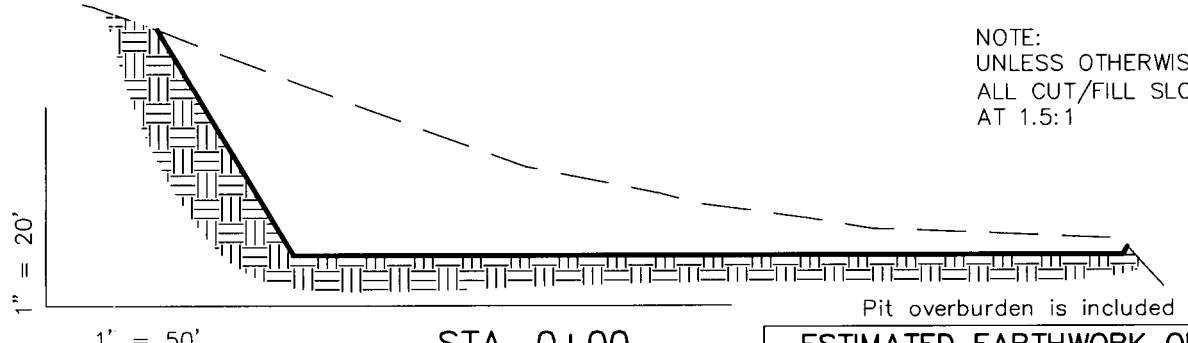
STA. 3+25



STA. 1+50



STA. 0+28



STA. 0+00

NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

REFERENCE POINTS

170' SOUTHEASTERLY = 5297.3'
220' SOUTHEASTERLY = 5287.1'
200' SOUTHWESTERLY = 5321.5'
250' SOUTHWESTERLY = 5325.1'

Pit overburden is included in pad cut.

ESTIMATED EARTHWORK QUANTITIES
(No shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	6,370	5,580	Topsoil is not included in Pad Cut	790
PIT	2,140	0		2,140
TOTALS	8,510	5,580	1,160	2,930

Excess Material after Pit Rehabilitation = 790 Cu. Yds.

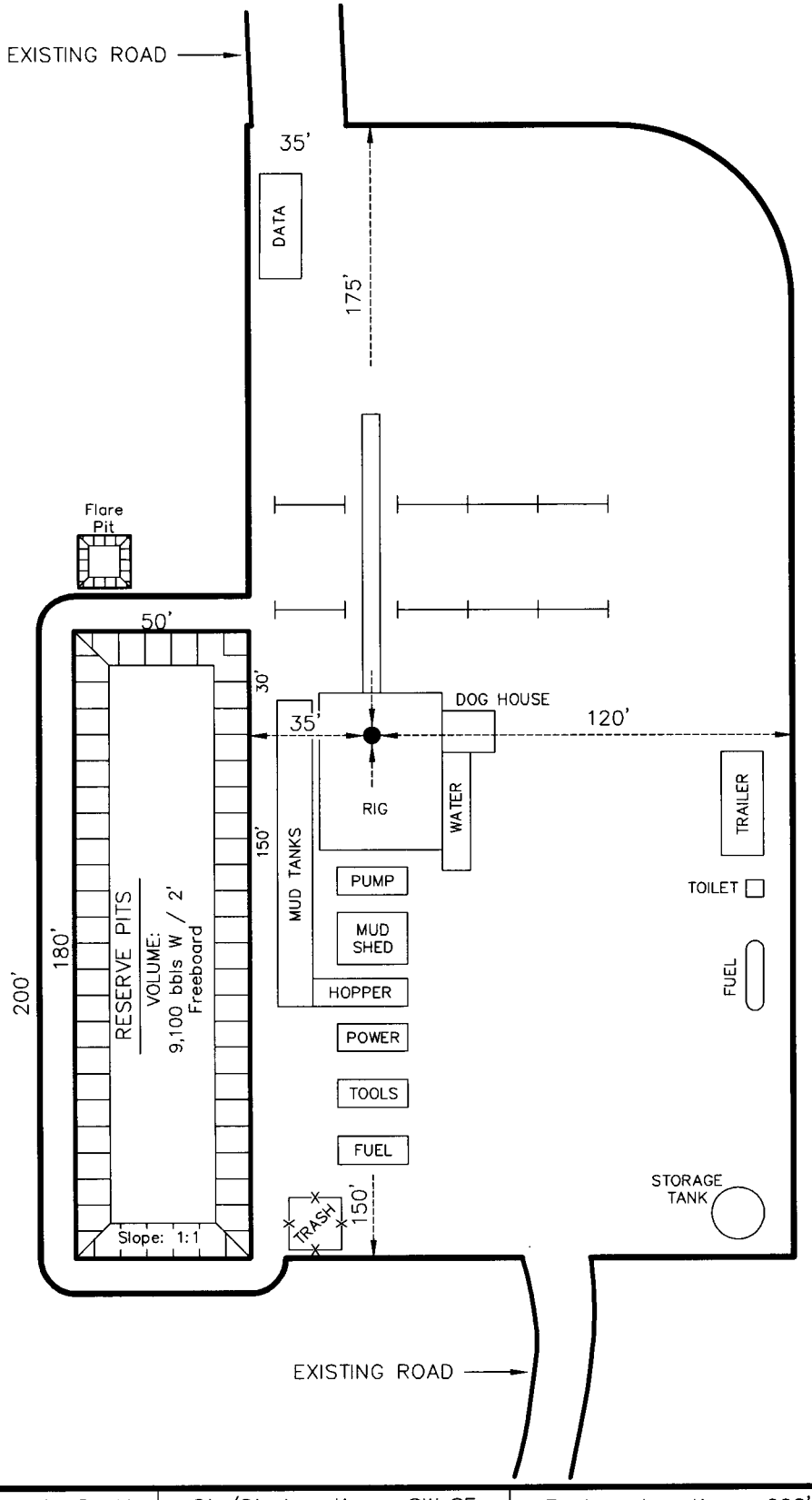
Section 30, T10S, R24E, S.L.B.&M.	Qtr/Qtr Location: SW SE	Footage Location: 602' FSL & 2088' FEL	
Date Surveyed: 10-26-06	Date Drawn: 10-27-06	Date Last Revision: 02-12-07	
Surveyed By: E.J.S.	Drawn By: M.W.W.	Scale: 1" = 50'	

Timberline Land Surveying, Inc. (435) 789-1365
38 WEST 100 NORTH VERNAL, UTAH 84078

SUMMIT OPERATING, LLC

TYPICAL RIG LAYOUT

FEDERAL H #34-30

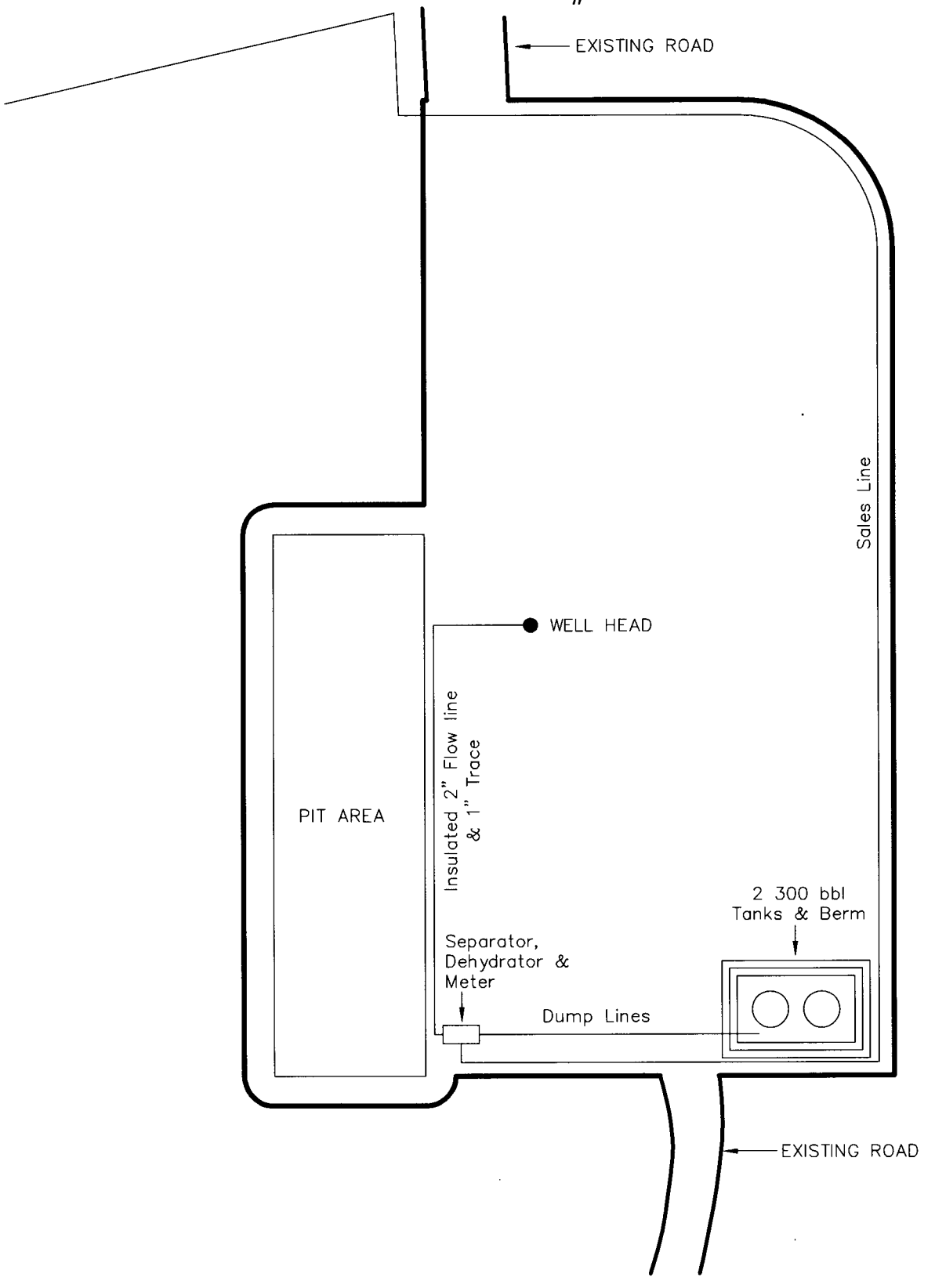


Section 30, T10S, R24E, S.L.B.&M.	Qtr/Qtr Location: SW SE		Footage Location: 602' FSL & 2088' FEL	
Date Surveyed: 10-26-06	Date Drawn: 10-27-06	Date Last Revision: 02-12-07	Timberline Land Surveying, Inc. (435) 789-1365 38 WEST 100 NORTH VERNAL, UTAH 84078	SHEET 5 OF 10
Surveyed By: E.J.S.	Drawn By: M.W.W.	Scale: 1" = 50'		

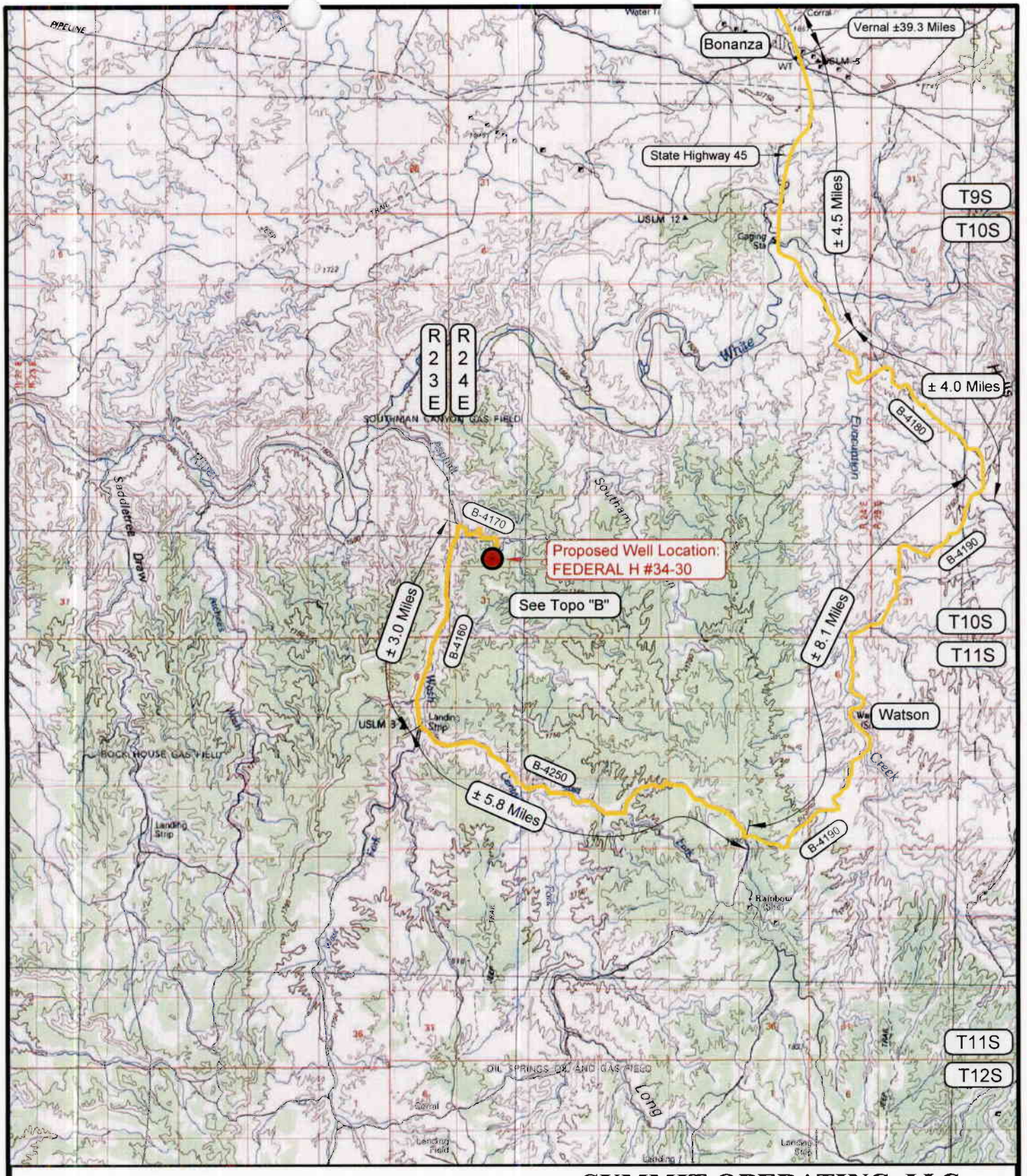
SUMMIT OPERATING, LLC

TYPICAL PRODUCTION LAYOUT

FEDERAL H #34-30



Section 30, T10S, R24E, S.L.B.&M.	Qtr/Qtr Location: SW SE		Footage Location: 602' FSL & 2088' FEL	
Date Surveyed: 10-26-06	Date Drawn: 10-27-06	Date Last Revision: 02-12-07	Timberline Land Surveying, Inc. (435) 789-1365 38 WEST 100 NORTH VERNAL, UTAH 84078	SHEET 6 OF 10
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 50'		



LEGEND

PROPOSED ACCESS ROAD
= SUBJECT WELL
= OTHER WELLS
= EXISTING ROAD
= EXISTING ROAD (TO BE IMPROVED)

B-5460 = COUNTY ROAD CLASS & NUMBER

N

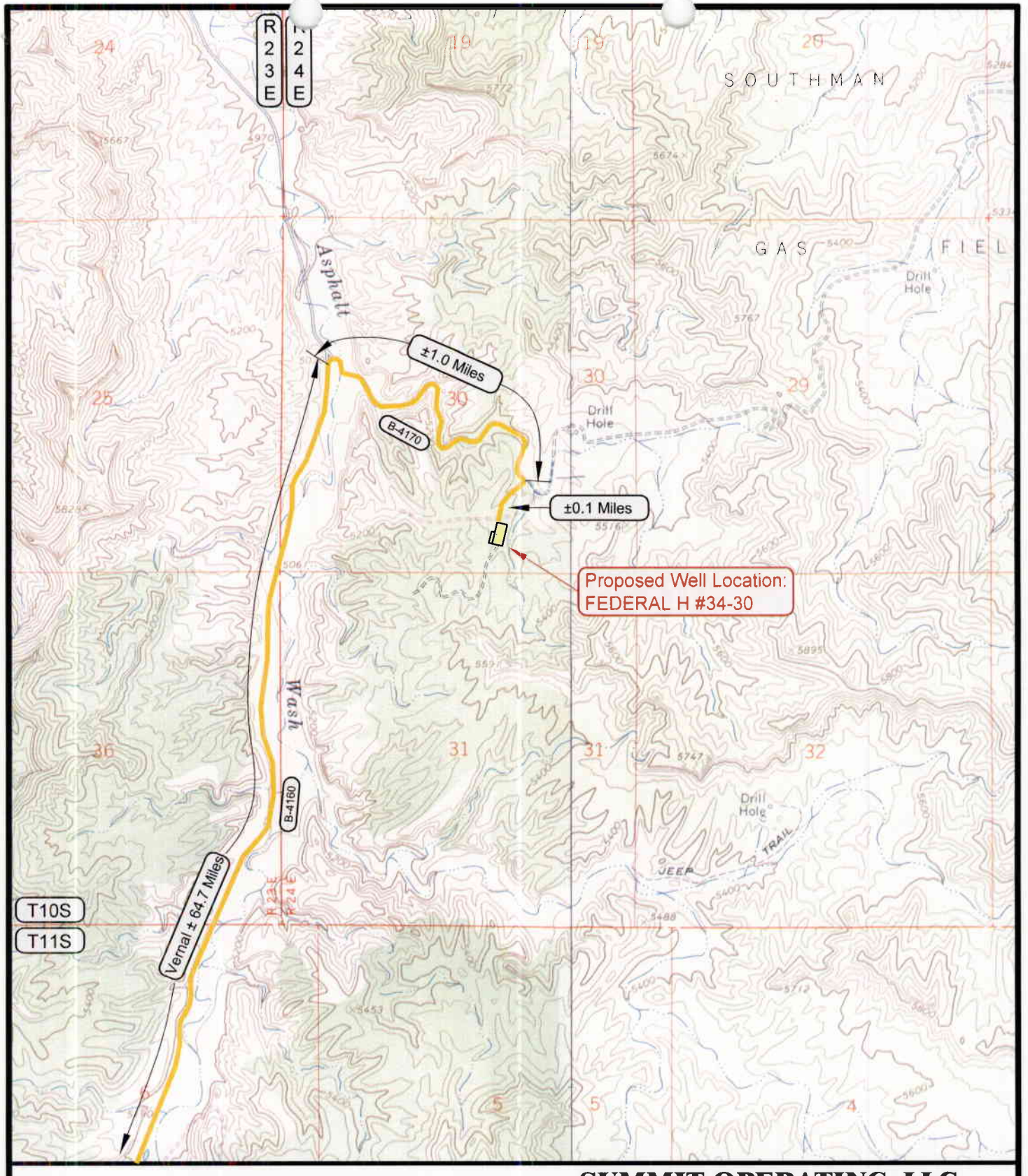
SUMMIT OPERATING, LLC

FEDERAL H #34-30
SECTION 30, T10S, R24E, S.L.B.&M.
602' FSL & 2088' FEL

TOPOGRAPHIC MAP "A"		DATE SURVEYED: 10-26-06
		DATE DRAWN: 10-27-06
SCALE: 1"=10,000'	DRAWN BY: A.D.F.	REVISED: 02-12-07

Timberline Land Surveying, Inc.
38 West 100 North Vernal, Utah 84078
(435) 789-1365

SHEET 7 OF 10



LEGEND

PROPOSED ACCESS ROAD
= SUBJECT WELL
= OTHER WELLS
= EXISTING ROAD
= EXISTING ROAD (TO BE IMPROVED)
B-5460 = COUNTY ROAD CLASS & NUMBER
= LEASE LINE AND / OR PROPERTY LINE

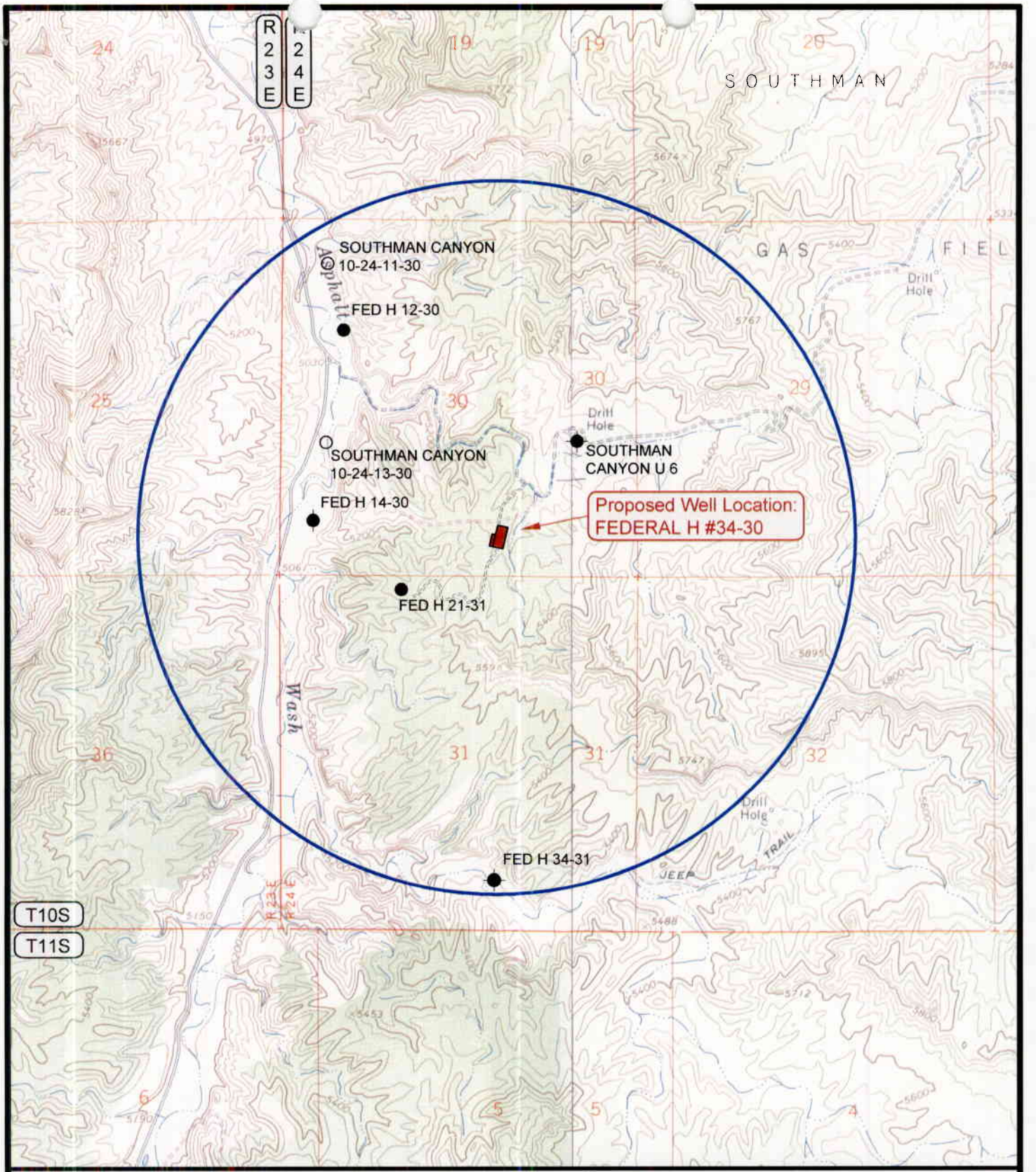
N

SUMMIT OPERATING, LLC

FEDERAL H #34-30
SECTION 30, T10S, R24E, S.L.B.&M.
602' FSL, 2088' FEL

TOPOGRAPHIC MAP "B"		DATE SURVEYED: 10-26-06
		DATE DRAWN: 10-27-06
SCALE: 1" = 2000'	DRAWN BY: A.D.F.	REVISED: 02-12-07

Timberline Land Surveying, Inc.
38 West 100 North Vernal, Utah 84078
(435) 789-1365



LEGEND

- ∅ = DISPOSAL WELL
- ● = PRODUCING WELL
- ● = SHUT IN WELL
- ○ = PROPOSED WELL
- ∅ = WATER WELL
- ● = ABANDONED WELL
- ● = TEMPORARILY ABANDONED WELL
- ⊕ = ABANDONED LOCATION

N

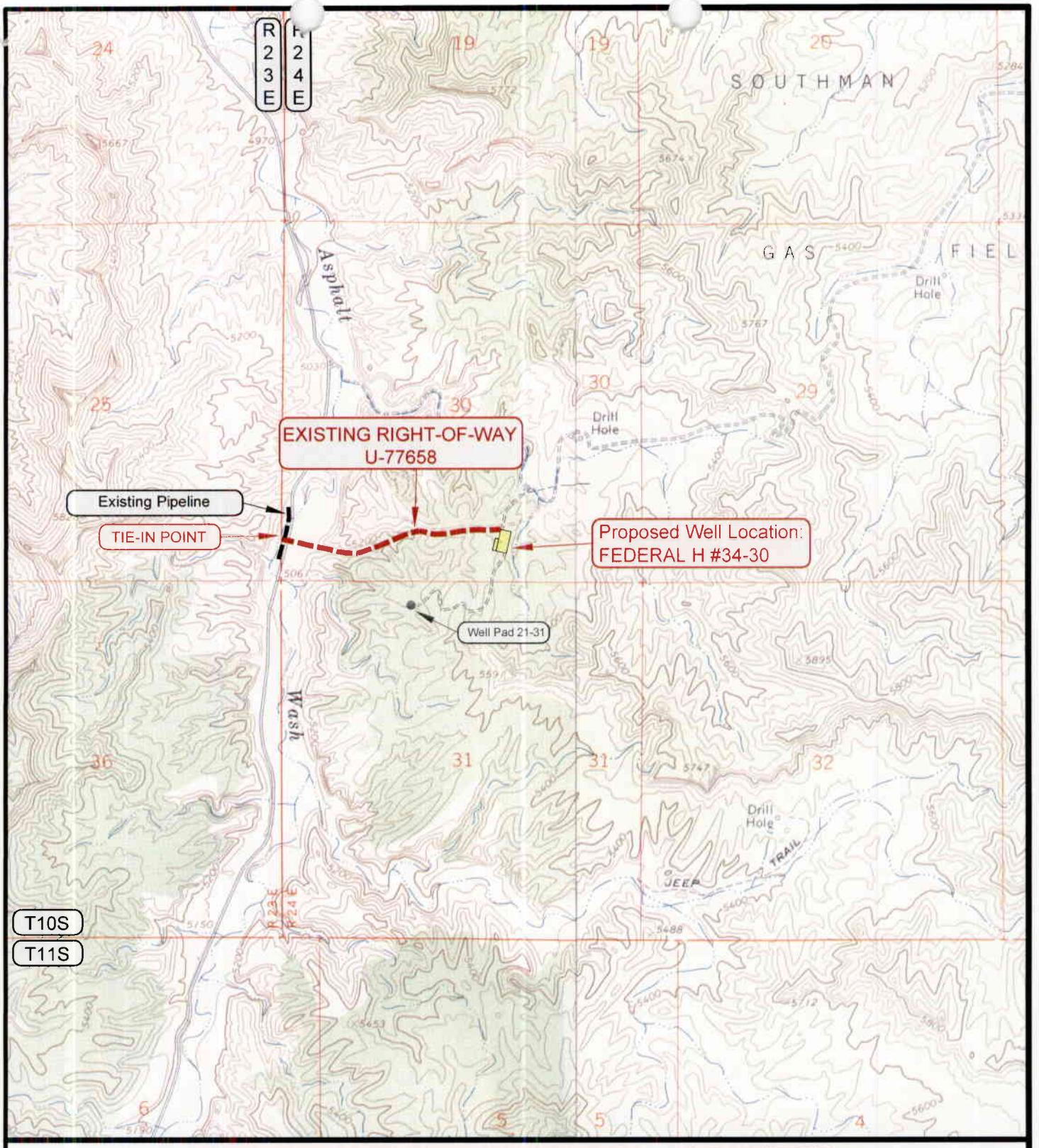
SUMMIT OPERATING, LLC

FEDERAL H #34-30
SECTION 30, T10S, R24E, S.L.B.&M.
602' FSL, 2088' FEL

TOPOGRAPHIC MAP "C"	DATE SURVEYED: 10-26-06
	DATE DRAWN: 10-27-06
SCALE: 1" = 2000'	DRAWN BY: A.D.F.
	REVISED: 02-12-07

Timberline Land Surveying, Inc.
38 West 100 North Vernal, Utah 84078
(435) 789-1365

SHEET 9 OF 10



APPROXIMATE PIPELINE LENGTH = ±3,245 FEET

LEGEND

= PROPOSED PIPELINE
= OTHER PIPELINE
PROPOSED ACCESS ROAD
= SUBJECT WELL
= OTHER WELLS
= LEASE LINE AND / OR PROPERTY LINE

N

SUMMIT OPERATING, LLC

FEDERAL H #34-30
SECTION 30, T10S, R24E, S.L.B.&M.
602' FSL, 2088' FEL

TOPOGRAPHIC MAP "D"	DATE SURVEYED: 10-26-06	
	DATE DRAWN: 10-27-06	
SCALE: 1" = 2000'	DRAWN BY: A.D.F.	REVISED: 02-12-07

Timberline Land Surveying, Inc.
38 West 100 North Vernal, Utah 84078
(435) 789-1365

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/22/2007

API NO. ASSIGNED: 43-047-38883

WELL NAME: FEDERAL H 34-30

OPERATOR: SUMMIT OPERATING LLC (N2315)

PHONE NUMBER: 435-940-9001

CONTACT: GINGER STRINGHAM

PROPOSED LOCATION:

SWSE 30 100S 240E

SURFACE: 0602 FSL 2088 FEL

BOTTOM: 0602 FSL 2088 FEL

COUNTY: UINTAH

LATITUDE: 39.91434 LONGITUDE: -109.2540

UTM SURF EASTINGS: 649236 NORTHINGS: 4419499

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-66421

PROPOSED FORMATION: MNCS

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB-000014)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. T-75872)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: ___

✓ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

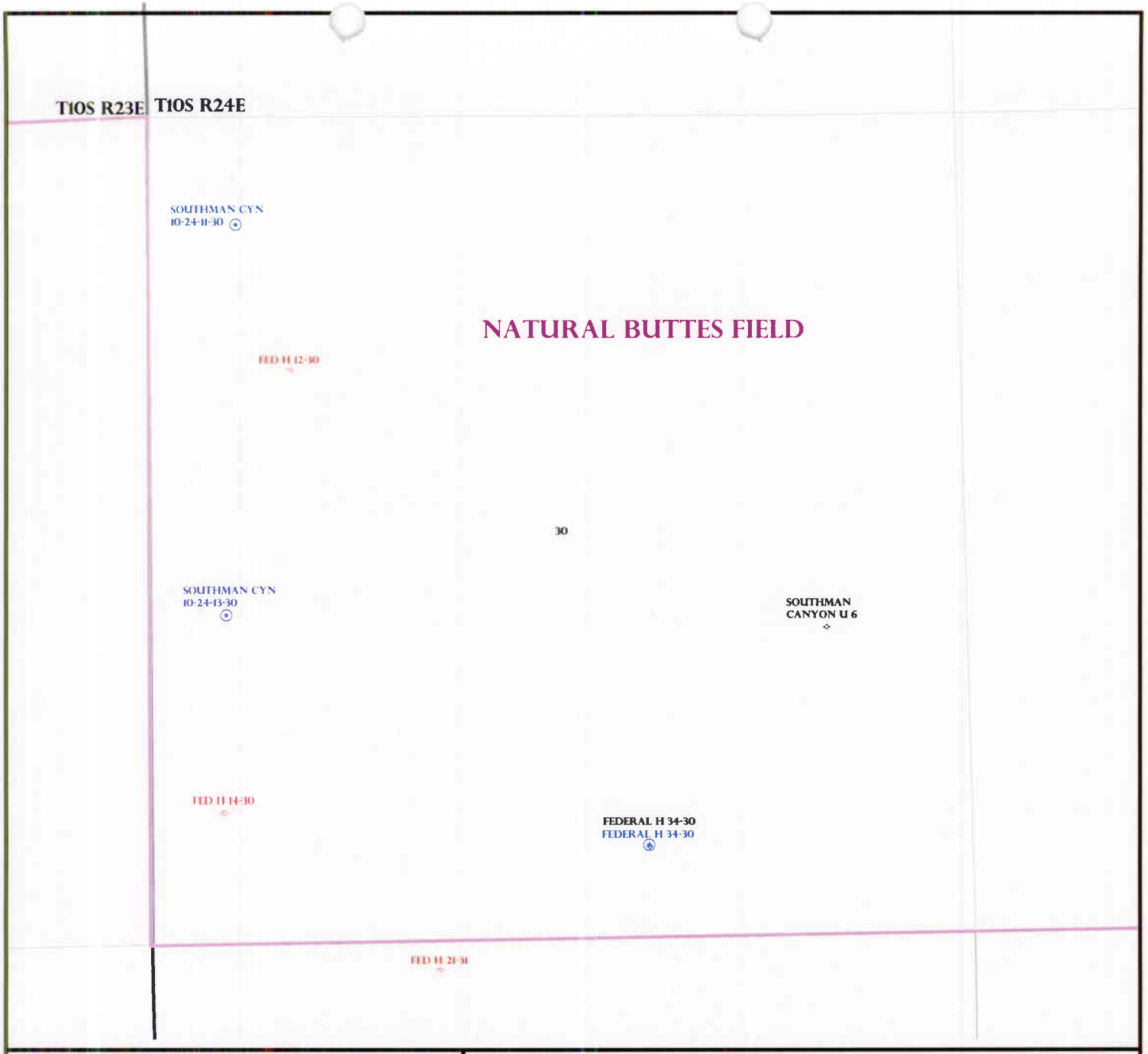
___ R649-3-3. Exception

___ Drilling Unit
Board Cause No: ___
Eff Date: ___
Siting: ___

___ R649-3-11. Directional Drill

COMMENTS: ___

STIPULATIONS: 1- Federal Approval
2- Spacing Slip



OPERATOR: SUMMIT OPER LLC (N2315)

SEC: 30 T.10S R. 24E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA MASON
DATE: 28-FEBRUARY-2007

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

March 1, 2007

Summit Operating LLC
P O Box 683909
Park City, UT 84068

Re: Federal H 34-30 Well, 602' FSL, 2088' FEL, SW SE, Sec. 30, T. 10 South, R. 24 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38883.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor (via e-mail)
Bureau of Land Management, Vernal District Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

Operator: Summit Operating LLC

Well Name & Number Federal H 34-30

API Number: 43-047-38883

Lease: UTU-66421

Location: SW SE **Sec.** 30 **T.** 10 South **R.** 24 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division with 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dustin Doucet at (801) 538-5281 office
     (801) 733-0983 home

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

PARADIGM CONSULTING, INC
PO BOX 790203
VERNAL, UT 84079
435-789-4162

June 6, 2007

43-047-38883

BLM, Vernal Field Office
170 S 800 E
Vernal, UT 84078

RE: Summit Operating
UTU-77658
Federal H 34-30

Dear Mr. Cutler,

As per our conversation today, please find the attached corrected page three of the surface use plan for the subject location.

If you have any further questions or concerns, please feel free to call me at the above address or via e-mail at gs_paradigm@yahoo.com.

Best regards,

Ginger Stringham

Cc: Summit Operating
State Division of Oil, Gas and Mining

location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel

facilitate closing and reclamation of the reserve pit. A pumping system would be used for evaporation.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration report will be submitted to the BLM's Vernal District office and State of Utah, Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

Water for drilling and cementing will come from a municipal source at 355 South 1000 East Vernal, UT 84078. Dalbo/A-1Tank.

6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately **10 ft**. deep and most of the depth shall be below the surface of the existing ground Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

B) Produced fluids:

Produced water will be confined to the reserve pit or, if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer. **Evaporation may be used instead of trucking to facilitate closing and reclamation of the reserve pit. A pumping system would be used for evaporation.**

Form 3160-3
(February 2005)

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 26 2007
BLM VERNAL, UTAH

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. **UTU-66421**	
6. If Indian, Allotee or Tribe Name **NA**	
1a. Type of work: ☑ DRILL ☐ REENTER	7. If Unit or CA Agreement, Name and No. **NA**
1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☐ Single Zone ☑ Multiple Zone	8. Lease Name and Well No. **Federal H 34-30**
2. Name of Operator **Summit Operating LLC**	9. API Well No. **43-047-38883**
3a. Address **P.O. Box 683909 Park City UT, 84068**	3b. Phone No. *(include area code)* **435-940-9001**
	10. Field and Pool, or Exploratory **Natural Buttes**
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface **602' FSL & 2088' FEL SW 1/4 S/E 1/4** At proposed prod. zone **same as above**	11. Sec., T. R. M. or Blk. and Survey or Area **Sec. 30, T10S. R24E**
14. Distance in miles and direction from nearest town or post office* **Approximately 65.8 miles in a southeasterly direction from Vernal UT**	12. County or Parish **Uintah** / 13. State **UT**
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **602'**	16. No. of acres in lease **2,240 Acres** / 17. Spacing Unit dedicated to this well **40 Acres**
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. **1,600'**	19. Proposed Depth **7,100'** / 20. BLM/BIA Bond No. on file **UTB-000014**
21. Elevations (Show whether DF, KDB, RT, GL, etc.) **5,312 GR**	22. Approximate date work will start* **12/01/2006** / 23. Estimated duration **30 Days**

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature: Ginger Stringham Title: **Agent**	Name *(Printed/Typed)* **Ginger Stringham**	Date **02/16/2007**
Approved by *(Signature)* Title: **Assistant Field Manager Lands & Mineral Resources**	Name *(Printed/Typed)* Jerry Kenczka	Date **7-16-2007**
	Office **VERNAL FIELD OFFICE**	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

NOTICE OF APPROVAL

RECEIVED
JUL 23 2007
DIV. OF OIL, GAS & MINING

UDOGM

07CX50120A

NO NOS

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Summit Operating LLC**	**Location:**	**SWSE, Sec. 30, T10S, R24E**
Well No:	**Federal H 34-30**	**Lease No:**	**UTU-66421**
API No:	**43-047-38883**	**Agreement:**	**N/A**

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Vacant	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	
		Fax: (435) 781-4410	

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

Surface COAs:

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APD's.

Other COA's:

- The soils in the proposed project area have been identified in the lease notice as having critical to severe soil erosion conditions. In order to minimize watershed damage during muddy and wet periods, the authorized officer of the BLM may prohibit surface disturbing activities.

- Submit Sundry Notice Form 3160-5 for pipeline requests and necessary right-of-ways to Authorized Officer of the Vernal BLM if well are productive. A Sundry Notice will detail any changes in pipeline proposal from the Proposed Action.

- Prior to water disposal, submit Sundry Notice Form 3160-5 specifying Approved Water Disposal facilities to be used in conjunction with Proposed Action.

- During operations, if any vertebrate paleontological resources are discovered, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The Authorized Officer of the Vernal BLM office shall be notified within 48 hrs of the discovery and a decision as to the preferred alternative/course of action will be rendered.

- The operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM weeds specialist or the appropriate County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.

- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.

- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.

- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 10 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All permanent (on-site six months or longer), above ground structures constructed or installed, including pumping units, any subsequent approved equipment/facilities will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Olive Black as determined during the on-site inspection.

Interim seed mix:

Bottlebrush Squirreltail grass	*Elymus elymoides*	4 lbs/acre
Hy-crest Crested Wheatgrass	*Agropyron cristatum*	4 lbs/acre
Wyoming Big Sagebrush	*Artemisia tridentata var. Wyomingensis*	1 lbs/acre
Shadscale saltbush	*Atriplex confertifolia*	3 lbs/acre

Final reclamation seed mix:

Bottlebrush Squirreltail grass	*Elymus elymoides*	4 lbs/acre
Hy-crest Crested Wheatgrass	*Agropyron cristatum*	4 lbs/acre
Wyoming Big Sagebrush	*Artemisia tridentata var. Wyomingensis*	1 lbs/acre
Shadscale saltbush	*Atriplex confertifolia*	3 lbs/acre

- All pounds are in pure live seed.
- All seed and mulch will be certified weed free.
- Drill seeding is the preferred method.
- Rates are set for drill seeding; double the rate if broadcasting.
- If broadcasting seed: The seed will be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain.
- Reseeding may be required if initial seeding is not successful.

- The operator will be responsible for treatment and control of invasive and noxious weeds. A Pesticide Use Plan (PUP) will be submitted and approved prior to the application of herbicides or other potentially hazardous chemicals on Federal Lands.

- Upon well completion, the well pad location up to the deadmen, will be recontoured to the approximate natural contours and the stockpiled topsoil will be spread evenly over the reclaimed area and then re-seeded using the above mentioned interim seed mix.

- Once the location is plugged and abandoned, it shall be recontoured to the natural topography, topsoil shall be respread, and the entire location shall be seeded with the final reclamation seed mix. Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer, immediately after the seeding is completed, or covered by soil using a drag chain.

- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.

- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

DOWNHOLE COAs:

SITE SPECIFIC DOWNHOLE COAs:

- The top of the production casing cement shall extend a minimum of 200 feet above the intermediate casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

CONFIDENTIAL

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-66421

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

8. WELL NAME and NUMBER: Federal H 34-30

2. NAME OF OPERATOR: Summit Operating, LLC

9. API NUMBER: 4304738883

3. ADDRESS OF OPERATOR: PO Box 683909 CITY Park City STATE UT ZIP 84068-3909

PHONE NUMBER: (435) 940-9001

10. FIELD AND POOL, OR WILDCAT: Texacoma

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 602' FSL & 2088' FEL SW/4 SE/4

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 30 10S 24E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 8/11/2007	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Well spudded, drilling to commence
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well was spudded on 08/11/2007, drilling commenced thereafter.

NAME (PLEASE PRINT) David Knudson TITLE Operations

SIGNATURE _____ DATE Oct 3 07

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FORM 6

ENTITY ACTION FORM

Operator: Summit Operating, LLC
Operator Account Number: N 2315
Address: PO Box 683909
city Park City
state UT zip 84068-3909
Phone Number: (435) 940-9001

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738883	Federal H 34-30		SWSE	30	10S	24E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	16378	8/11/2007			10/16/07	

Comments: Well was spudded on 08/11/2007
MVRD per Well Completion Report
CONFIDENTIAL

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

Kristi Higgs
Name (Please Print)
Kristi Anne Higgs
Signature
Title
10/03/2007
Date

(5/2000)

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-66421

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Federal H 34-30

2. NAME OF OPERATOR: Summit Operating, LLC

9. API NUMBER: 4304738883

3. ADDRESS OF OPERATOR: PO Box 683909 Park City UT 84068-3909 PHONE NUMBER: (435) 940-9001

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 602' FSL & 2088' FEL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 30 10S 24E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 10/22/2007	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Drill out temp plugs
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

10-22-07: Drilled out 3 temporary composite bridge plugs at 5965', 6075' & 6160' opening up plugged back Mesa Verde perfs at 5989-6009', 6134-44', 6171-78', 6186-88', 6196-98' and 6200-02'. Flowed back frac load to tank.

10-24-07: Put well down gas sales line from the above perfs along with the previously open Mesa Verde perfs 5898-5913' & 5916-30'.

10-27-07: 24-hour flow test: FCP=800, FTP=600, 840 MCFPD, 82 BLWPD & 5 BCPD on 24/64" choke.

Note: Current PBTD is CIBP @ 6390'.

NAME (PLEASE PRINT) Greg Schmidt TITLE Agent for Summit Operating, LLC

SIGNATURE Greg Schmidt DATE 10/30/2007

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FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-66421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: FEDERAL H 34-30

2. NAME OF OPERATOR: SUMMIT OPERATING, LLC

9. API NUMBER: 4304738883

3. ADDRESS OF OPERATOR: PO BOX 683909 CITY PARK CITY STATE UT ZIP 84068

PHONE NUMBER: (435) 940-9001

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 602' FSL, 2088' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 30 10S 24E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
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☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☑ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that the above listed well was placed into production on 10/24/2007. Our first sales began 10/24/07.

NAME (PLEASE PRINT) David Lillywhite TITLE President

SIGNATURE [signature] DATE 10-25-07

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AMENDED REPORT ☐ (highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-66421

6. IF INDIAN, ALLOTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME:

b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: Federal H 34-30

2. NAME OF OPERATOR: Summit Operating, LLC

9. API NUMBER: 43-047-38883

3. ADDRESS OF OPERATOR: PO Box 683909 Park City UT 84068-3909

PHONE NUMBER: 1-435-940-9001

10 FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL(FOOTAGES)

AT SURFACE: 602' FSL & 2088' FEL (SW/4SE/4)

AT TOP PRODUCING INTERVAL REPORTED BELOW: Same as above

AT TOTAL DEPTH: Same as above

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/4 SE/4 Sec 30 T10S-R24E

12. COUNTY: Uintah

13. STATE: UTAH

14. DATE SPUDDED: 08/11/2007

15. DATE T.D. REACHED: 08/26/2007

16. DATE COMPLETED: ABANDONED ☐ READY TO PRODUCE ☒ 9-21-07

17. ELEVATIONS (DF, RKB, RT, GL): 5312 GL, 5327 KB

18. TOTAL DEPTH: MD 7211 TVD same

19. PLUG BACK T.D.: MD 7190 TVD same

20. IF MULTIPLE COMPLETIONS, HOW MANY? * 4

PTH BRIDGE PLUG SET: MD 5965 Composite TVD same

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

Open Hole: ~~GR-SP-DIL-Caliper-Density-Neutron~~ GR, CBL, CCL

Cased Hole: ~~GR-CBL-CCL~~ SD, DSN, ACTR, BVP

23.

WAS WELL CORED?	NO ☒	YES ☐	(Submit analysis)
WAS DST RUN?	NO ☒	YES ☐	(Submit report)
DIRECTIONAL SURVEY?	NO ☒	YES ☐	(Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL	CEMENT TOP * *	AMOUNT PULLED
12 1/4	9 5/8 J55	36	surf	2032	none	710 Lt/prem	226.4	surf	none
7 7/8	4 ½ N80	11.6	surf	7211	none	190sx Hi-fill	360.3	430' measured	none
						tail in w/ 1050			
						sx Prem 50/50			

25. TUBING RECORD

HOLE SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	5855							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
A) Mesa Verde (open)	5898	5930	5898	5930
B) Mesa Verde (temp PB)	5989	6009	5989	6009
C) Mesa Verde (temp PB)	6134	6144	6134	6144
D) Mesa Verde (temp PB)	6171	6202	6171	6202

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
5898-5913 & 5916-5930	.40	62	Open ☒ Squeezed ☐
5989-6009	.40	42	Temp PB under comp plug
6134-6144	.40	22	Temp PB under comp plug
6171-78, 86-88, 96-98, 6200-6202	.40	34	Temp PB under comp plug

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5898-5930	Frac'd w/ 54866 gal x-linked gelled wtr & 145,000 # of 20/40 sand
5989-6009	Frac'd w/ 42089 gal x-linked gelled wtr & 100,000 # of 20/40 sand
6134-6144	Frac'd w/ 20395 gal x-linked gelled wtr & 40,000 # of 20/40 sand
6171-6202	Frac'd w/ 18509 gal x-linked gelled wtr & 45,026 # of 20/40 sand

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29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS ☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☒ GEOLOGIC REPORT ☐ CORE ANALYSIS ☐ DST REPORT ☐ DIRECTIONAL SURVEY ☐ OTHER:

30. WELL STATUS: P

(5/2000)

31. INITIAL PRODUCTION — **INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
09/21/2007	09/22/2007	7		0	214	42	flowing

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	N/A	660					0	733	144	Flowing back frac water and produced gas

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Green River	Surf	3024	Lt. Gray to green black shale with some limes and porous sandstone stringers	Green River	surf
Wasatch	3024	4712	Red brown-lt. green shale, white to gray sandstones w/ limestone, cream to med gray, brown, hard, dense	Wasatch	3024
Mesa Verde	4712	6956	Sandstones interbedded with shales and siltstones, w/ some black coal intervals	Mesa Verde	4712
Castlegate	6956	7210	Dk gray – dark brown shales, sandstone white – lt. gray – lt. brown, siltstones and minor coals	Castlegate	6956

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.) Vented

35. ADDITIONAL REMARKS (Include plugging procedure) **Additional perfs and plugs: CIBP at 7100', plugging back tight Castlegate perfs at 7134-36 & 7141-45' w/ 4 spf (32 holes). CIBP at 6390', plugging back tight Lower Mesa Verde perfs at 6501-04 (misfire), 6507-11 (misfire), 6512-17, 6522-25, 6446-48 and 6453-55' w/ 3 spf (72 holes). Temporary composite plugs are currently at 5965, 6075, & 6160'. We are continuing to drill and clean out the remaining 3 composite plugs to open up the other 3 sets of Mesa Verde perfs shown under section 26 above. We are currently flowing just the top set of MV perfs.**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) David Lillywhite TITLE Summit Operating, LLC

SIGNATURE DATE 09/28/2007

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

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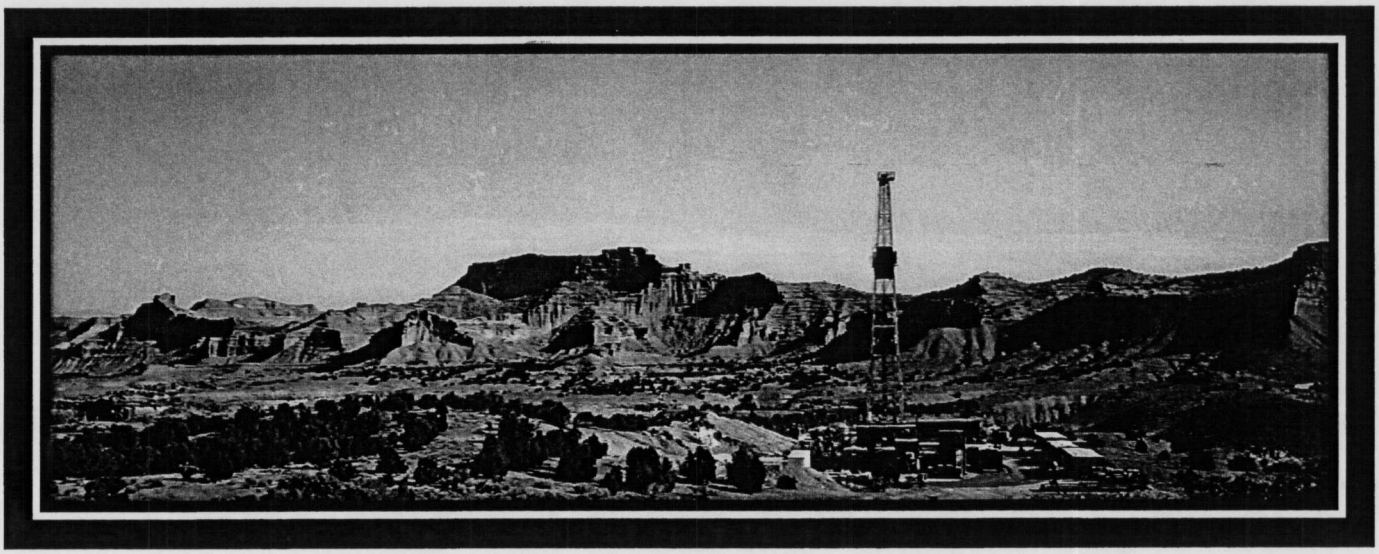
Federal H 34-30
43-047-38883
30 10s 24e

SUMMIT OPERATING LLC

GEOLOGY REPORT



FEDERAL H 34-30
SW SE Sec. 30, T10S, R24E
602' FSL & 2,088' FEL
UINTAH CO., UTAH
NATURAL BUTTES

STEAMBOAT ENERGY CONSULTANTS

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Steamboat Energy Consultants
PO BOX 881570
Steamboat Springs, Colorado 80488
Office (970) 870 9964

GEOLOGY REPORT

Summit Operating LLC

Federal H 34-30

602' FSL & 2,088' FEL
SW SE Sec. 30, T10S, R24E
Uintah County, Utah

Wellsite Geologist: Gregg Smith
Fort Collins, CO
(970) 819 5450

TABLE OF CONTENTS

GEOLOGICAL REPORT

Summit Operating LLC
Federal H 34-30

Well Resume

Operator: Summit Operating LLC

WELL INFORMATION	Well Name	Federal H 34-30		
	Location	SW SE Sec. 30, T10S, R24E		
	County, State	Uintah County, Utah		
	Spot	602' FSL & 2,088' FEL		
	Spud Date	August 21, 2007		
	Total Death	Driller 7,210'	Logger 7,210'	
	Completion Date (TD)	August 25, 2007	Time: 5:00 PM	
HOLE	Hole Size	12 1/4" to 2,075'	7 7/8" to TD	
	Casing	Surface	Production	
		9 5/8", 36#, set @ 2,034'	4 1/2", 16.01, set @ TD'	
	Cement	170 sks 16% Gel-3% salt-10# Gilsonate-3# GR, 220 sks 2% CaCl, 340 sks 4% CaCl		
ELEV	GL	5,312'		
	KB	5,327'		
PERSONNEL	Exploration Manager	Gregory N. Schmidt, Diamondback Oil Partners, LLP		
	Drilling Foreman	Daryl Knop		
	Wellsite Geologist	Gregg Smith, Steamboat Energy Consultants		
	Tool Pusher	Tom Alber		
CONTRACTORS	Drilling Company	True Drilling		
	Rig #	22		
	Mud Company	Mustang Drilling Fluids		
	Mud Type	Water Chem-Gel	Mud Up @ 3,967'	
	Mud Engineer	Dan Kastel		
	Mud Logging Company	None		
	Petrophysical Logging Company	Halliburton		
	Logging Engineer:			
	Log Suite	HRI/SD/DSN, TD to Sfc Csg.		
	Drill Stem Test Company	None		
SUMMARY	Drilling Days	5		
	Rotating Hours	86.00		
	Bottom Hole Formation	Castlegate		
	Potentially productive zones	Green River, Wasatch, Mesaverde, Castlegate		
	Final Status	4 1/2 " production casing set @ TD.		

FORMATION LOG TOPS

Federal H 34-30 SW SE Sec. 30, T10S, R24E

Formation	KB 5,327'	
	LOG TOPS	
	DEPTH	DATUM
Green River Formation	Surface	-
Wasatch	3,014'	(+2,313)
Masaverde	4,712'	(+615)
Castlegate	6,956'	(-1,628')
TD	*6,210'*	

SUMMARY AND CONCLUSIONS

The Federal H 34-30 was drilled out from pre set surface casing on 8/21/07 and drilled to a total depth of 7210' on 8/25/07. The hole was drilled using a single PDF bit and mud motor requiring only 86 total rotating hours. Due to high formation gas encountered while drilling the well was shut in on three separate occasions at 3,933', 4,310', and 4,589' to control the well primarily by mixing barite to get the mud weight up. Ultimately, at the time total depth was achieved, the mud weight was increased to 10.9 pounds to control the formation gas and allow petrophysical logging and casing operations to be completed safely. A proximal lightning strike knocked out most of the rig's EDR electronics resulting in an absence of recorded drill time from 5,630' to 5,880', and a short stoppage in operations for repairs at 5,880'. There were no other significant operational delays or problems encountered.

Zones of interest in the Federal H 34-30 include the Green River, Mesaverde and Castlegate Formations. All Formations are potentially gas productive. A preliminary analysis of the e-logs and total formation gas recorded while drilling suggest the following zones to be potentially gas productive:

PRIMARY ZONES OF INTEREST

GREEN RIVER	
ZONE	Units GAS
2,708' - 2,726'	6472
2,790' - 2,802'	9383

WASATCH	
ZONE	Units GAS
3,350' - 3,378'	9216
3,848' - 3,850'	9133
4,250' - 4,264'	8900
4,487' - 4,498'	5300
4,526' - 4,534'	7500

MESAVERDE	
ZONE	Units GAS
5,505' - 5,524'	7990
5,923' - 5,930'	7966
5,988' - 6,010'	8788
6,030' - 6,202'	8572
6,340' - 6,358'	6446
6,445' - 6,449'	3200
6,453' - 6,457'	8407
6,510' - 6,518'	7838
6,604' - 6,608'	8722
6,715' - 6,728'	5700
6,818' - 6,822'	4600

CASTLEGATE	
ZONE	Units GAS
7,024' - 7,040'	8000
7,048' - 7,070'	2985
7,132' - 7,150'	4300

SUMMARY AND CONCLUSIONS

Many additional zones of interest are present throughout this well. The aforementioned zones are not intended as a total and conclusive list of all productive zones, merely as a starting point. A more exact determination of formation water resistivity may assist in narrowing this long list or, indeed, may greatly expand it.

Sample examination began at 2,034' in the Green River formation. General lithology was typical for the Green River consisting of interbedded white, friable sandstone, light green claystone and grey to brown shales with minor limestone. The potentially productive sands of this formation are described as follows; SANDSTONE; white to light gray, friable, fine to lower medium grained, subrounded to subangular, moderately well sorted. poorly consolidated with abundant fine black mineral inclusions, milky white, slightly calcareous matrix, trace poor intergranular porosity, trace spotty light brown stain, possible dead oil stain, no fluorescence, odor or cut.

The top of the Wasatch Formation was clearly discernable as the drilling mud changed color from grey to red brown, the result of an increased amount of distinct red brown shale. Potentially productive sandstones of the Wasatch are generally fine grained and occasionally silty, generally described as light gray to gray green, friable to firm, fine to lower medium grained, subrounded to subangular, moderately well sorted, well consolidated, commonly with medium grained black carbonaceous flakes, slightly calcareous matrix, no to poor visible porosity, no fluorescence stain odor or cut. The large amount of gas produced from these sands as they were drilled is incongruous with their silty and tight appearance and may be an indication of an over-pressured reservoir.

No clear indication of an exact unconformable Mesaverde Formation top was apparent. A gradual change in the shales of the Wasatch Fm. from red brown and green, subblocky, subwaxy shale to a dark grey and brown, somewhat silty shale is the best indication of the formation top. The sandstones of the Mesaverde were not very distinctive compared to those of the Wasatch. Described as: SANDSTONE; light gray to gray, firm, fine grained to very fine grained, subangular, well sorted and consolidated with abundant black carbonaceous stringers and partings, no to poor visible porosity, no fluorescence stain odor or cut. As with the Wasatch the Mesaverde sandstones generally appear tighter than would be expected considering the large amount of produced gas while drilling. The potentially productive zone from 6.030' to 6,202' is characterized by abundant coal. These coals are thin and may act as a source of gas to charge up any of the subjacent thin sandstones.

Two well developed sandstone zones were present in the Castlegate member of the Mesaverde Formation:

1) 7020 – 7030 SANDSTONE; brown to light gray, occasionally white, fine to lower fine grained to silty, subangular to subrounded, dark brown to black mineral inclusions, well consolidated, moderately well to poorly sorted, calcareous, abundant black SHALE stringers and inclusions, no visible porosity, no fluorescence stain odor or cut.

2) 7050 – 7070 SANDSTONE; white to light gray, friable to firm, fine to lower medium grained, subangular to subrounded, moderately well sorted and consolidated, fine black mineral inclusion, silica

cement, occasionally with black shale stringers, occasionally with poor to fair intergranular porosity, no fluorescence stain odor or cut

An additional promising zone was drilled at 7,132' and 7,150'. Although less developed on e-logs than the upper Castlegate sandstones the zone appeared to be somewhat fractured as it was drilled and produced a sizeable gas increase of 4000 units even though the mud weight at the time was 10.8+.

After evaluation of E-logs four and one half inch casing was set at TD to further evaluate all zones

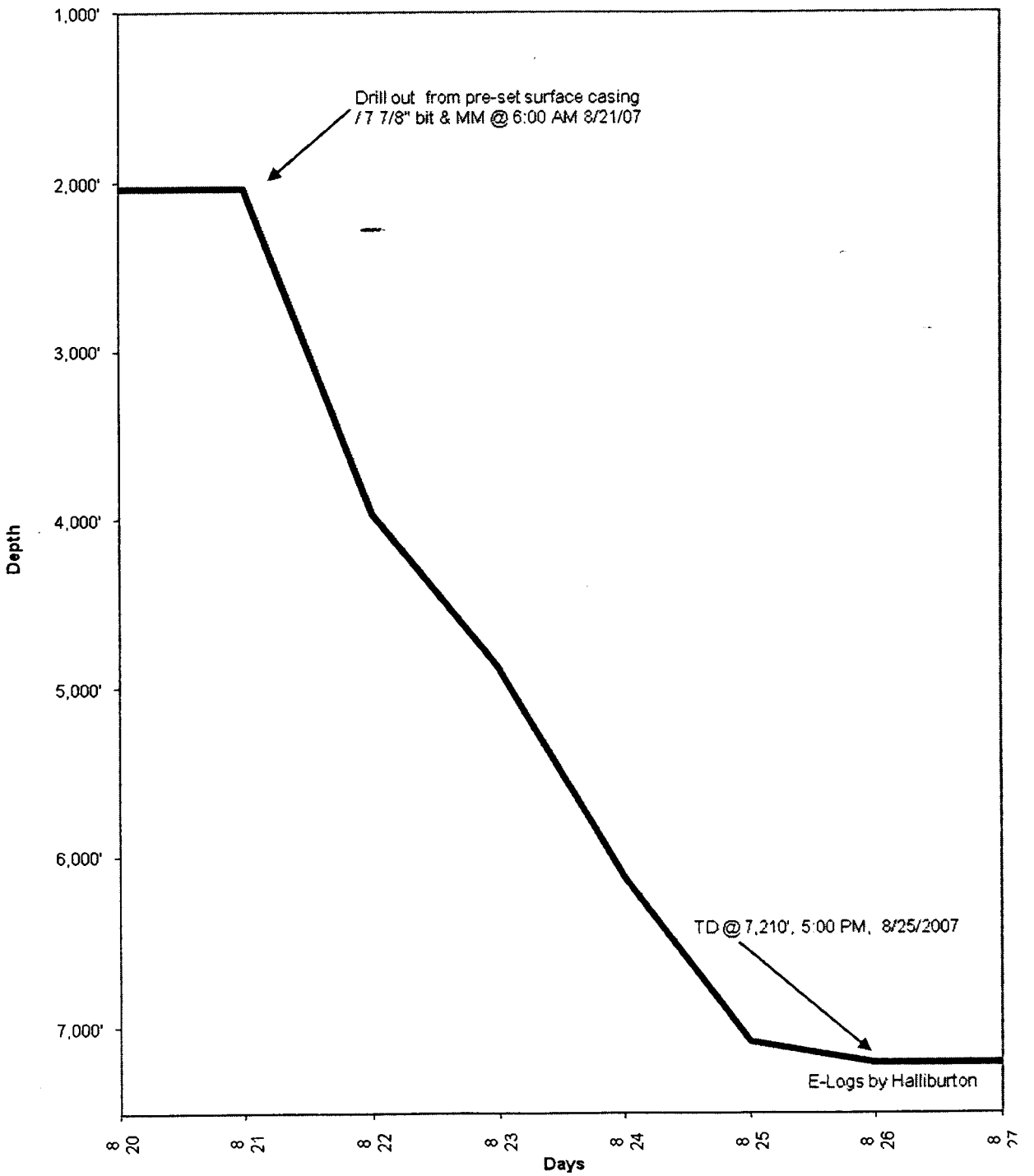
DAILY DRILLING CHRONOLOGY

Summit Operating LLC Federal H 34-30

Day	DATE (2007)	7:00 AM DEPTH (MDT)	Footage Previous 24 Hrs.	Activity
1	8 20	2,034'	0'	Nipple Up, test BOP, pick up BHA, drill cement and shoe, drill out 6:00 AM.
2	8 21	2,034'	2,034'	Drilling, repair swivle, shut well in @ 3367', circulate gas through gas buster.
3	8 22	3,967'	1,933'	Repair swivel, mix mud and kill gas flow, drilling, shut well in @ 4310', circulate out gas, weight up mud with barite, drilling, shut well in @ 4589', circulate gas flow, drilling.
4	8 23	4,867'	900'	Drilling, rig struck by lightning - knocked out EDR, wait on Pason, repair damaged electronics, drilling.
5	8 24	6,113'	1,246'	Drilling,
6	8 25	7,084'	971'	Drilling, TD @ 5:00 PM, circulate bottoms up, short trip to shoe, circulate, strap out for E-Logs.
7	8 26	7,210'	126'	Run E-Logs, trip in to condition hole for production casing.
8	8 27	7,210'	0'	Cement casing.

PENETRATION RATE/TIME CHART

FEDERAL H 34-30



DRILLING PARAMETERS - DIRECTIONAL SURVEYS

Operator: Summit Operating LLC Well Name: Federal H 34-30

DRILLING PARAMETERS				
DEPTH	ROTARY TABLE SPEED	WT. ON BIT (1000 lbs)	PUMP PRESSURE	STROKES PER MINUTE
2,034'	15	10	1050	120
2,654'	55/90	15	1300	120
3,933'	55/90	17	1250	120
4,125'	55/90	15	1330	118
4,403'	53/90	15	1365	115
4,085'	55/90	15	1650	120
5,265'	55/90	15	1540	118
5,788'	53/90	14	1357	118
6,066'	55/90	18	1700	120
6,440'	55/90	15	1868	120
6,811'	55/90	18	1671	120
7,070'	55/90	22	1850	120

DIRECTIONAL SURVEYS	
DEPTH	INCLINATION
2,085'	1.5°
2,576'	2°
5,255'	1.5°

BIT RECORD

OPERATOR: Summit Operating LLC WELL NAME: Federal H 34-30

Drill Pipe	4 1/2"	16.6#
Drill Collars	15	

PUMPS	#1	Emsco F-800	6X9
	#2	G-D PZ-8	6X8

CONTRACTOR	True Drilling	
	RIG #	22

NO	SIZE	MAKE	TYPE	JET	SERIAL	DEPTH OUT	FEET	HOURS	FT/HR	ACCUM DRLG HRS	WT 1000 LBS	RPM	VERT DEV	PUMP PRESS	SPM		MUD			DULL COND				FORMATION REMARKS
															1	2	WT	VIS	WL	T	B	G	OTHER	
1	7 7/8	HTC	506Z	6x16	7111687	7210	5176	86	60	86.0	15	55/90	2	1500	120		10.8	45	8.4	1	NA	1		Castlegate

86 Total Rotating Hours

DAILY DRILLING MUD REPORT

Operator:	Summit Operating LLC
Well Name:	Federal H 34-30
Mud-up Depth:	3,967' Mud Type: Chem-Gel Mustang Drilling Fluids

Report #	1	2	3	4	5	6	7	8		
Date, 2007	8 19	8 20	8 21	8 22	8 23	8 24	8 25	8 26		
Depth (ft) TVD	2,034'	2,034'	2,200'	4,235'	4,945'	6,215'	7,098'	7,210'		

Weight (lbs/gal.)	WATER	8.5+	9.3	9.4	10.6	10.9		
Funnel Viscosity (Sec/qt. API)		35	38	39	47	46		
Plastic Viscosity cp		7	11	14	23	22		
Yield Point (lb/100 ft^2.)		6	10	9	20	15		
Gel Strength 10 sec/10 min.		1/4	2/10	1/6	5/8	3/10		
pH (meter)		9.5	10.1	10.3	10.3	10.1		
Filtrate API (ml^3/30 min)		15.0	9.8	8.4	8.0	7.0		
Cake Thickness 32nd		2	2	2	2	2		
Alkalinity, Mud (Pm)		0.9	1.3	1.4	1.3	1.2		
Alkalinity, Filtrate (Pf/Mf)		.35/.9	.6/1.5	8/20	.85/20	.65/20		
Chloride Content,(mg/L)		1,300	1,700	1,700	1,700	1,700		
Total Hardness, (mg/L)		tr	tr	tr	20	20		
Sand Content (% by Vol.)		tr	tr	0.25	0.5	0.5		
Retort Solids (% by Vol.)		/2.0	/7.0	/8.0	/1.5	/6.0		
Retort Liquid (% Vol.) Oil/Wtr		98.0	93.0	92.0	85.0	84.0		
Methylene Blue Capacity		-	-	-	-	-		
ECD		8.650	9.550	9.625	11.100	11.275		
KCl		-	-	-	-	-		

Comments:

SAMPLE DESCRIPTIONS

Begin drilling in the Green River Formation with 7 7/8" PDC Bit and Mud Motor. Lagged samples caught by rig personnel. Annotated formation tops are E-Log picks.

DEPTH	LITHOLOGY
2000-2050	Predominately cement.
2050-2100	CLAYSTONE; light green to gray green, firm to soft, platy to subblocky, trace sandy in part. SANDSTONE; white to light gray, fine grained, smooth clusters, tight.
2100-2150	CLAYSTONE; light green, soft to firm, subblocky, occasionally platy, subwaxy. SANDSTONE; white to light green, hard, fine to lower fine grained, occasionally black to green mineral inclusion, tight throughout.
2150-2200	CLAYSTONE; light green, subblocky, predominantly subwaxy, commonly silty in part, trace SANDSTONE stringers. SANDSTONE; white, clean, firm to friable, fine grained, subrounded to subangular, well sorted and consolidated, scattered fine black mineral inclusion, trace poor intergranular porosity, no fluorescence stain odor or cut.
2200-2250	SANDSTONE; white to clear, predominantly smooth friable clusters, occasionally loose unconsolidated grains, subrounded to subangular, moderately well sorted, poor consolidated, no to poor visible porosity, no fluorescence stain odor or cut.
2250-2300	CLAYSTONE; dark gray to dark green, firm, blocky, occasionally sandy in part. SANDSTONE; continued as above, occasionally unconsolidated grains.
2300-2350	CLAYSTONE; green to light green to gray green, firm, subblocky, subwaxy, trace calcareous. LIMESTONE; brown to dark brown, firm, blocky, fine to microcrystalline, predominantly dense, trace fine angular inclusion, tight.
2350-2400	CLAYSTONE; green to gray to gray green, soft to firm, subblocky occasionally subwaxy, occasionally brown calcareous. LIMESTONE; brown to dh brown, hard to firm, blocky, fine to microcrystalline, grading to calcareous CLAYSTONE.
2400-2450	SANDSTONE; white to light gray, friable to firm, fine grained, subrounded, very fine green to black mineral inclusion, slightly calcareous matrix, well sorted and consolidated, occasionally fair intergranular porosity, trace spotty light brown stain, dull yellow fluorescence, no cut or odor.
2450-2500	SHALE; distinct change, dark brown to gray, soft, platy, subfissile. CLAYSTONE; gray green to light green, soft, subblocky, trace silty in part.
2500-2550	CLAYSTONE; gray green to green to gray to brown, soft, subblocky, slightly calcareous. SHALE; continued as above.
2550-2600	CLAYSTONE; green to gray to brown, subblocky, continued as above. SHALE; gray to dark gray, soft, platy, subfissile, traces black, fissile, carbonaceous.
2600-2650	SHALE; light gray green to gray, soft, subblocky. SHALE; dark gray to gray to brown, firm to soft, subfissile, trace black fissile carbonaceous.
2650-2700	SHALE and CLAYSTONE; continued as above, occasionally calcareous in part. occasionally silty. SANDSTONE; light gray to green. firm, very fine grained to silty, slightly calcareous, tight throughout.

SAMPLE DESCRIPTIONS

DEPTH	LITHOLOGY
2700-2750	SANDSTONE; white to light gray, friable, fine to lower medium grained, subrounded to subangular, moderately well sorted. poor consolidated, abundant fine black mineral inclusion, milky white, slightly calcareous matrix, slightly calcareous in part, trace poor intergranular porosity trace spotty light brown stain, NFOC possible dead oil, NFOC
2750-2800	SANDSTONE; continued as above, general decrease in grained size, slightly calcareous matrix, tight, no fluorescence stain odor or cut. CLAYSTONE; light green to gray, soft to firm, subblocky to platy.
2800-2850	CLAYSTONE; varicolored, green to gray to brown to firm to soft, subblocky, occasionally subwaxy. SANDSTONE; light gray to off white, very fine grained to silty, tight.
2850-2900	SHALE, gray to brown to dark gray, firm, platy, subfissile to fissile, trace black very carbonaceous stringers. LIMESTONE; dark brown, firm to hard, blocky, fine to microcrystalline, occasionally shale parting, trace fossil, (fusilinid), tight.
2900-2950	CLAYSTONE; light green to gray, firm to soft, blocky to subblocky subwaxy. SANDSTONE; gray to light gray, firm to hard, very fine to lower fine grained, subangular well consolidated, moderately well sorted, black mineral inclusion, tight throughout.
2950-3000	SHALE; dark gray to dark brown, firm, platy to subplaty, subfissile, slightly calcareous. LIMESTONE; brown to dark brown, firm, blocky fine crystalline, occasionally light brown, mottled texture, fossil, trace loose shell fragments, tight throughout
3000-3050	SANDSTONE; green to gray green, firm to very friable, fine to lower fine grained, occasionally silty, poor to moderately well sorted, subangular, black to green mineral inclusion, no visible porosity, moderately bright yellow fluorescence, NSOC. LIMESTONE; light brown, soft, predominantly mottled fossil in part, commonly with floating sand grains, tight throughout.

WASATCH 3,014' (+2,313')

3050-3100	SHALE; moderately distinct change, red brown, soft, subblocky. SANDSTONE; continued as above, light green, fine grained to silty.
3100-3150	SANDSTONE; off white to light green, firm to friable, medium to lower medium grained, moderately well sorted, subrounded, slightly calcareous, trace poor intergranular porosity, spotty yellow fluorescence, NSOC
3150-3200	SHALE; red brown to gray, soft, subblocky, occasionally subwaxy, trace varigated. SANDSTONE; continued as above, tight.
3200-3250	SANDSTONE; red brown, very friable, lower medium to fine grained, poor sorted and consolidated, commonly with black to green to brown mineral inclusion, occasionally light red brown arkose matrix, slightly calcareous, no visible porosity no fluorescence stain odor or cut. SHALE; red brown continued as above.
3250-3300	SHALE; red brown to light green, soft to firm, subblocky, trace varigated silty in part.
3300-3350	SHALE; red brown to light gray to green, continued as above. CLAYSTONE, light green, soft, blocky occasionally subwaxy, trace varigated.

SAMPLE DESCRIPTIONS

DEPTH	LITHOLOGY
3350-3400	SANDSTONE; light gray to gray green, friable to firm, fine to lower medium grained, subrounded to subangular, moderately well sorted, well consolidated, commonly with medium black carbonaceous flakes, slightly calcareous matrix, no to poor visible porosity, no fluorescence stain odor or cut.
3400-3450	SHALE; red brown to brown to green, soft, platy to subblocky, occasionally fine gritty to silty, rarely waxy, varigated.
3450-3500	SANDSTONE; light gray to gray, friable to firm, fine grained, well sorted, well consolidated, abundant fine black to green occasionally red mineral inclusion, slightly calcareous, trace poor intrusive grained porosity no fluorescence stain odor or cut.
3500-3550	SHALE; red brown to green to gray, firm to soft, subblocky, occasionally silty to sandy in part. SANDSTONE; continued as above, decrease grained size, tight.
3550-3600	SANDSTONE; light gray to gray green, firm, lower fine grained to silty, poor sorted, well consolidated, black mineral inclusion, tight. SHALE; red brown continued as above.
3600-3650	SANDSTONE; off white to gray to green, firm, fine to lower fine grained, subangular, well consolidated, poor sorted, black to red mineral inclusion, calcareous, occasionally red brown SHALE parting, calcareous, tight. SHALE; red brown to gray, soft, subblocky, occasionally silty in part.
3650-3700	SANDSTONE; light gray, firm to friable, fine grained to silty, subangular, well consolidated, very fine black mineral inclusion, tight, calcareous, commonly grading to siltstone.
3700-3750	SANDSTONE; gray to dirty gray, fine grained to silty, tight, continued as above
3750-3800	SHALE; light gray to gray green, soft, subblocky, occasionally subwaxy, commonly silty in part, slightly calcareous. SANDSTONE; light gray occasionally light brown, friable to firm, very fine grained to silty, argillaceous in part, calcareous, black mineral inclusion, tight throughout, grading to sandy SILTSTONE.
3800-3850	SHALE; SHALE; red brown to dark gray, soft to firm, blocky to platy, occasionally silty in part, rarely varigated, occasionally calcareous in part.
3850-3800	SANDSTONE; gray to light gray to dirty brown, friable, fine to lower fine grained to silty, poor sorted, subangular, black mineral inclusion, occasionally argillaceous in part, commonly calcareous, commonly grading to SILTSTONE, tight throughout. SHALE; gray to dark gray to brown, soft, blocky, commonly silty in part, trace varigated.
3900-3950	SAMPLE LOST WHEN WELL WAS SHUT IN
3950-4000	SHALE; red brown to gray to gray brown, firm, blocky, commonly subwaxy, rarely varigated. SANDSTONE; off white to light gray, friable, fine grained, subrounded to subangular, predominantly silica, trace calcareous, black to green mineral inclusion, trace poor intergranular porosity, no fluorescence stain odor or cut.
4000-4050	SHALE; red brown to gray to brown, continued as above. SANDSTONE; dirty gray, firm, fine grained to silty, argillaceous in part, slightly calcareous, tight throughout.
4050-4100	SHALE; red brown to brown to gray, soft to firm subblocky, occasionally silty in part, slightly calcareous.

SAMPLE DESCRIPTIONS

DEPTH	LITHOLOGY
4100-4150	SHALE; red brown to brown to gray, firm, blocky, occasionally black fissile, carbonaceous
4150-4200	SILTSTONE; light green to light gray, soft, very fine, trace varicolored SHALE parting, trace sandy in part, predominantly calcareous. SHALE; red brown continued as above, occasionally fine crystalline very calcareous.
4200-4250	SHALE; red brown to brown to light green, blocky, occasionally very splintery, waxy in part, rarely varigated. SANDSTONE; dirty brown to gray, firm to friable, fine grained to silty, poor sorted, varicolored mineral inclusion, occasionally calcareous, trace argillaceous, tight throughout.
4250-4300	SHALE; brown to dark brown to gray brown, soft to firm, blocky, subwaxy, occasionally very fine silty with black carbonaceous flakes. SANDSTONE; dirty brown to gray, friable to firm, fine grained to silty continued as above, trace brown shale parting, tight throughout.
4300-4350	SANDSTONE; off white to light gray, fair,, fine to lower fine grained, subangular to sub rounded, moderately well sorted and consolidated, calcareous matrix, scattered black mineral inclusion, tight, no fluorescence stain odor or cut. SHALE; gray to green to red brown.
4350-4400	SILTSTONE; light brown to light green to gray, soft, very fine, calcareous, occasionally micro black mineral inclusion. SHALE; light green, soft, subblocky, subwaxy.
4400-4450	SHALE; light gray to green to brown, soft, blocky, occasionally platy, occasionally silty in part. SILTSTONE; continued as above, tight throughout.
4450-4500	SANDSTONE; off white to light brown, friable, very fine to lower medium grained, subrounded, poor sorted, with scattered medium grained quartz grains, black to brown mineral inclusion, predominantly silica with occasionally white calcareous matrix, tight to poor visible porosity, NSOC. LIMESTONE; brown to light brown, hard, blocky, microcrystalline, tight, trace only. SHALE; light green continued as above, trace with brown LIMESTONE partings, trace sandy in part.
4500-4550	SANDSTONE; continued as above, traces with scattered dark brown quartz grains, rarely with fair intergranular porosity, trace spotty dull yellow fluorescence, NSOC. LIMESTONE; brown to light brown, firm to hard, blocky, fine crystalline, occasionally assoc with sandy clusters, occasionally green shale partings, tight throughout. SHALE; light green to gray, soft, subblocky.
4550-4600	SANDSTONE; dirty brown to dirty gray, firm, fine to very fine grained to silty, commonly argillaceous with micro black carbonaceous inclusion, stringers, and partings, poor sorted, well consolidated, occasionally green glauconite, no visible porosity, predominantly calcareous, no fluorescence stain odor or cut. SHALE; continued as above.
4600-4650	SHALE; gray to gray green, soft to firm, blocky, subwaxy, occasionally black carbonaceous stringers, traces black, fissile, very carbonaceous.
4650-4700	SHALE; gray to brown to dark gray, firm to soft, blocky to platy, occasionally silty in part, occasionally black, splintery, subfissile, carbonaceous. SANDSTONE; off white to light gray, friable, fine to medium grained, subangular, moderately well sorted, black mineral inclusion, silica, trace poor interparticle porosity, no fluorescence stain odor or cut.

SAMPLE DESCRIPTIONS

DEPTH	LITHOLOGY
4700-4750	SHALE; dark gray to gray brown, soft, blocky, subwaxy, occasionally with gray SILTSTONE stringers, rarely carbonaceous. SANDSTONE; dirty gray, firm, fine grained to silty, commonly argillaceous in part, calcareous, tight.

MESAVERDE 4,712' (+615')

4750-4800	SHALE; gray to dark gray, soft, platy to blocky, occasionally subfissile silty in part, occasionally black fissile carbonaceous. SANDSTONE; white to light gray, friable, fine to lower medium grained, subangular, silica, trace slightly calcareous, trace poor intergranular porosity, no fluorescence stain odor or cut.
4800-4850	SHALE: grey to dark gray occasionally black, firm to soft, subfissile, commonly silty with black carbonaceous stringers, occasionally very carbonaceous. SANDSTONE; white to light gray, continued as above.
4850-4900	SHALE; gray to dark gray to gray brown, soft to firm, subblocky, occasionally black carbonaceous partings, trace silty in, occasionally black very carbonaceous. SANDSTONE; continued as above. oil\commonly silty with black carbonaceous partings and rarely carbonaceous stringers.
4900-4950	SANDSTONE; light gray to white to clear, predominantly unconsolidated, fine grained, subrounded to subangular, occasionally well rounded, clear to occasionally frost loose grains, possible fair to good porosity, trace dull yellow fluorescence, NSOC. SHALE; continued as above., predominantly black carbonaceous, fissile.
4950-5000	SHALE; gray to dark gray, continued as above, occasionally light green to red brown, blocky subwaxy, occasionally black fissile carbonaceous.
5000-5050	SHALE; gray to dark gray to gray green, soft to firm, platy to subblocky, occasionally silty in part, trace black carbonaceous, trace loose COAL, black vitreous brittle, vitreous. SANDSTONE; light gray to off white, friable, fine to lower medium grained, subangular, commonly with medium to coarse grained green to black mineral inclusion, slightly calcareous, no visible porosity, no fluorescence stain odor or cut.
5050-5100	SHALE; dark brown to dark gray, soft, platy to = blocky, occasionally fine silty with micro black carbonaceous inclusion, occasionally black fissile carbonaceous, traces loose COAL.
5100-5150	SANDSTONE; light to dirty gray, firm, fine grained to silty, well consolidated, subangular, abundant fine black mineral inclusion and scattered coarse carbonaceous material, occasionally with black shale parting and stringers tight throughout. SHALE; dark brown to dark gray, firm to soft, platy, commonly fine gritty to silty texture, trace loose COAL fragments.
5150-5200	SHALE; dark gray to dark brown, soft, subblocky to platy, occasionally silty in part, occasionally black carbonaceous. SANDSTONE; continued as above, abundant black carbonaceous debris.
5200-5250	SHALE; dark gray to dark brown, soft to firm, platy, predominantly silty, commonly with black carbonaceous micro inclusion and carbonaceous stringers rarely with black coal partings.

SAMPLE DESCRIPTIONS

DEPTH	LITHOLOGY
5250-5300	SANDSTONE; light gray to dirty brown, firm, fine grained to silty, commonly with black SHALE parting and stringers, abundant fine black mineral inclusion, tight, no fluorescence stain odor or cut. SHALE; brown to dark brown, firm to soft, platy, commonly silty in part, trace black carbonaceous stringers.
5300-5350	SANDSTONE; continued as above, abundant silty argillaceous with black to brown SHALE stringers, tight. SHALE; brown to dark brown, soft to firm, platy, commonly with fine gritty to silty texture, occasionally sandy in part, occasionally with black carbonaceous partings.
5350-5400	SANDSTONE; white to light gray, friable medium to lower medium grained, subangular abundant black mineral inclusion, well sorted moderately well consolidated, predominantly silica with occasionally spotty calcareous matrix, trace fair intergranular porosity, no fluorescence stain odor or cut, SHALE; continued as above.
5400-5450	SANDSTONE; white to light gray, friable to firm, s to lower medium grained, subangular to sub rounded, moderately well sorted, abundant medium grained black mineral, occasionally carbonaceous inclusion, spotty white calcareous matrix. occasionally fair intergranular porosity, no fluorescence stain odor or cut. SHALE; brown to dark brown, soft, silty in part trace
5450-5500	SANDSTONE; white to light gray, friable, fine grained, continued as above, occasionally black shale stringers and parting, poor intergranular porosity, trace spotty brown to black possible dead oil stain, NFOC.
5500-5550	SANDSTONE; white to light brown to light gray, firm, fine grained to silty, very fine black to green mineral inclusion, occasionally black shale partings, calcareous, tight, no fluorescence stain odor or cut. SHALE; dark gray to dark brown, soft, platy, occasionally fissile carbonaceous, trace loose COAL, black vitreous, black.
5550-5600	SANDSTONE and SHALE continued as above, occasionally very dark gray argillaceous, trace loose COAL fragments.
5600-5650	NO SPL DUE TO EDR OUTAGE
5650-5700	SHALE; dark brown to very dark brown to black, firm to soft, sub blocky, commonly subfissile very carbonaceous with black carbonaceous material try, rarely varigated trace loose COAL fragments. SANDSTONE; white to light gray, firm to friable, fine to very fine grained, subrounded to subangular moderately well sorted, well consolidated, spotty white calcareous, abundant mineral inclusion and occasionally medium grained quartz grains, tight to poor visible porosity no fluorescence stain odor or cut
5700-5730	SANDSTONE; light brown to off white, firm, fine to lower fine grained occasionally silty, subangular, abundant micro black mineral inclusion, calcareous, no visible porosity, no fluorescence stain odor or cut
5730-5790	SHALE; dark gray to very dark brown, firm, subblocky, commonly very fine silty, occasionally black very carbonaceous, SANDSTONE; white to light brown, very fine grained, tight, continued as above
5790-5820	SHALE; very dark brown to dark gray, soft, blocky, predominantly with micro black carbonaceous inclusion commonly with black carbonaceous partings and stringers, occasional slightly silty, calcareous.

SAMPLE DESCRIPTIONS

DEPTH	LITHOLOGY
5820-5850	SANDSTONE; off white to light gray, firm to friable, fine grained to lower fine grained to silty, poor sorted, gray to white calcareous matrix, abundant black mineral inclusion, trace black carbonaceous SHALE partings and stringers, no visible porosity, no fluorescence stain odor or cut
5850-5880	SHALE; dark brown, very carbonaceous, continued as above. SANDSTONE continued as above.
5880-5900	SANDSTONE; light gray friable to firm, fine to lower fine grained, subangular, well sorted, spotty white clay matrix, occasionally slightly calcareous, no visible porosity, no fluorescence stain odor or cut.
5900-5950	SANDSTONE; continued as above, occasionally coarse black mineral inclusion, occasionally carbonaceous stringers. SHALE; black to dark gray, firm to soft, platy, occasionally fissile, predominantly carbonaceous, trace loose COAL fragments, black, brittle, blocky vitreous.
5950-6000	SANDSTONE; light gray to gray, firm, fine grained to very fine grained, subangular, well sorted and consolidated, abundant black carbonaceous stringers and partings, no to poor visible porosity, no fluorescence stain odor or cut. COAL; black, brittle, vitreous, blocky, occasionally grading to carbonaceous SHALE; dark gray to black, commonly carbonaceous.
6000-6050	SHALE; black to dark gray, firm to soft, platy, fissile to subfissile, predominantly carbonaceous. COAL; black, brittle, vitreous, blocky.
6050-6100	SHALE; dark gray to dark brown to black, soft to firm, platy to subblocky, commonly with very fine gritty to silty texture, commonly carbonaceous in part.
6100-6150	SANDSTONE, dirty brown to gray, firm, very fine grained to silty, commonly argillaceous, occasionally gray to black SHALE parting and stringers, poor sorted, predominantly with gray clay matrix, occasionally S&P, silica in part, tight throughout. SHALE; dark brown to dark gray to black, firm, platy to blocky, subfissile, commonly carbonaceous, commonly silty in part. COAL, black, brittle, blocky vitreous.
6150-6200	SHALE; dark gray to brown to black, soft, platy to subblocky, commonly carbonaceous, occasionally with fine black carbonaceous inclusion, occasionally silty in part. COAL; black blocky, brittle, vitreous, occasionally fissile grading to carbonaceous SHALE. SANDSTONE; dirty gray, argillaceous, commonly silty, tight throughout.
6200-6250	SANDSTONE; off white to dirty gray to brown, firm to friable, lower medium grained to lower fine grained, subangular to subrounded, poor sorted, commonly argillaceous in part, commonly with black carbonaceous stringers and parting, black to dark gray mineral inclusion, gray non calcareous matrix, no visible porosity no fluorescence stain odor or cut. SHALE; dark gray to dark brown to black, occasionally silty, commonly carbonaceous.
6250-6300	SILTSTONE; brown to dark brown to dl gray, soft, subblocky, fine gritty to silty texture, abundant micro carbonaceous inclusion and occasionally stringers, occasionally sandy in part, tight throughout. SHALE brown to dark brown, soft, platy occasionally carbonaceous in part.
6300-6330	SANDSTONE; white, friable to firm, lower medium grained, subangular to subrounded, moderately well sorted, fine black mineral inclusion, spotty milky white non calcareous matrix, occasionally silica in part, occasionally poor to fair intergranular porosity, no fluorescence stain odor or cut. SHALE; dark gray to brown to black, commonly carbonaceous.

SAMPLE DESCRIPTIONS

DEPTH	LITHOLOGY
6330-6360	SANDSTONE; white to light gray, firm to firm lower fine to medium grained, subangular, occasionally black carbonaceous inclusion, no to poor visible porosity, trace spotty bright yellow fluorescence, NSOC. SHALE; continued as above, trace COAL.
6360-6390	SHALE; dark brown to dark gray to black, firm, subblocky, commonly fine gritty to silty, abundant carbonaceous in part, SANDSTONE; continued as above, decrease amount.
6390-6420	SANDSTONE; dirty gray to white, firm to hard, fine grained to silty, scattered mineral inclusion, abundant black carbonaceous stringers and partings, gray to white non calcareous inclusion, very tight throughout, no fluorescence stain odor or cut. SHALE; continued as above.
6420-6450	SHALE; dark brown to brown, soft to firm, subblocky, predominantly fine gritty to silty grading to argillaceous SILTSTONE, abundant micro to fine black carbonaceous inclusion, stringers and partings, rarely trace coal.
6450-6480	SHALE; dark brown to dark gray to occasionally black, soft, platy, fine gritty to silty texture, micro carbonaceous inclusion continued as above.
6480-6510	SANDSTONE; off white to light gray, firm to friable, fine to lower fine grained, subangular, black mineral inclusion, well consolidated, silica in part, no visible porosity, trace black shale partings, no fluorescence stain odor or cut. SHALE; dark brown to dark gray, continued as above, trace COAL, black splintery occasionally assoc with SHALE.
6510-6540	SHALE; dark brown to dark gray, firm to soft, subblocky to platy, fine gritty to silty texture, predominantly carbonaceous in part.
6540-6570	SANDSTONE; distinct change, light brown, platy, very hard, very silica, trace well consolidated medium grained clusters with coarse coal inclusion and partings, no visible porosity throughout, no fluorescence stain odor or cut,
6570-6600	SHALE; dark gray to dark brown to black, soft, platy, sub fissile to fissile, commonly with fine gritty texture, micro carbonaceous inclusion.
6600-6630	SHALE; dark brown to dark gray to black, continued as above, trace loose coal fragments, occasionally silty in part.
6630-6660	SHALE; dark brown to dark gray to black, soft, subblocky, predominantly with fine gritty texture, abundant black carbonaceous stringers and partings. SANDSTONE; light gray to dirty brown. firm fine grained to silty, occasionally buff slightly calcareous matrix, predominantly silica, tight. trace loose Coal.
6660-6690	SHALE; dark brown to dark gray, firm to soft, subblocky, predominantly silty in part, commonly with micro carbonaceous inclusion, occasionally black carbonaceous stringers.
6690-6720	SANDSTONE; dark brown to brown, firm to hard, fine to lower medium grained, subrounded, well consolidated and sorted, silica in part, occasionally brown stained matrix, occasionally black mineral inclusion, no to poor visible porosity, no fluorescence stain odor or cut. SHALE; brown to dark brown continued as above. COAL; black, brittle, blocky, vitreous occasionally fissile, grading to carbonaceous SHALE.

SAMPLE DESCRIPTIONS

DEPTH	LITHOLOGY
6720-6750	SANDSTONE; white to off white to light gray occasionally light brown, firm to friable, fine grained, subangular to subrounded, abundant black to red to green mineral inclusion, well sorted and consolidated, no calcareous, predominantly tight with trace poor intergranular porosity, no fluorescence stain odor or cut. SHALE; dark brown to dark gray, subblocky, fine gritty texture, occasionally carbonaceous.
6750-6780	SANDSTONE; brown to dirty brown, firm to hard, fine to lower medium grained, subangular, poor sorted, well consolidated, commonly with brown slightly calcareous possible dolomitic matrix, black mineral inclusion, occasionally light green to brown, waxy, varigated SHALE stringers, no visible porosity no fluorescence stain odor or cut. SHALE; dark gray to dark brown, continued as above, occasionally varicolored light green to brown, waxy rarely varigated.
6780-6810	SHALE; dark brown to dark gray, soft, subblocky, predominantly silty to fine gritty texture, trace carbonaceous in part. SILTSTONE; light brown to brown to light gray, firm, argillaceous, tight. SANDSTONE; continued as above, occasionally light gray silty, tight throughout.
6810-6840	SHALE; brown to dark brown to dark gray, continued as above, trace light green, subwaxy.
6840-6870	SANDSTONE; light gray to off white, firm to hard, fine grained to lower fine grained, subangular, well consolidated, poor to moderately well sorted, fine to micro black mineral inclusion, predominantly silica, tight throughout, no fluorescence stain odor or cut
6870-6900	SHALE; dark gray to dark brown, soft to firm, platy to subblocky, commonly with fine gritty texture, trace with light gray silty stringers, rarely carbonaceous.
6900-6930	SHALE; dark brown to dark gray to black, firm to soft, fine gritty texture, occasionally micro carbonaceous increase.
6930-6960	SHALE; dark gray to dark brown to black, continued as above.

CASTLEGATE 6,956' (-1,628')

6960-6990	SHALE; dark gray to dark brown, soft, platy, commonly with fine gritty texture, micro carbonaceous inclusion, trace light green to light gray, blocky, waxy. SILTSTONE; light gray to light brown; hard, very fine, occasionally micro black mineral inclusion, occasionally black shale partings, tight.
6990-7010	SILTSTONE; dirty brown, firm, platy, occasionally fine black mineral inclusion, occasionally black SHALE partings and stringers, trace sandy in part, tight throughout. SHALE; continued as above.
7010-7020	SHALE; dark brown to dark gray, firm to soft, platy, fine gritty texture, micro carbonaceous inclusion, occasionally silty in part.
7020-7030	SANDSTONE; brown to light gray, occasionally white, fine to lower fine grained to silty, subangular to subrounded, dark brown to black mineral inclusion, well consolidated, moderately well to poor sorted, calcareous, abundant black SHALE stringers and inclusion, no visible porosity, no fluorescence stain odor or cut. SHALE; continued as above.
7030-7040	SHALE; very dark brown to dark gray, firm to soft, platy, commonly silty in part, trace fissile carbonaceous.

SAMPLE DESCRIPTIONS

DEPTH	LITHOLOGY
7040-7050	COAL; black brittle to soft, predominantly blocky vitreous, occasionally assoc with SHALE.
7050-7060	SANDSTONE; white to light gray, friable to firm fine to lower medium grained, subangular to subrounded, moderately well sorted and consolidated, fine black mineral inclusion, silica, occasionally with black shale stringers, occasionally poor to fair intergranular porosity, no fluorescence stain odor or cut
7060-7070	SANDSTONE; continued as above, occasionally silty with gray slightly calcareous matrix, argillaceous in part, tight. SHALE; dark brown to dark gray to black, soft, occasionally carbonaceous.
7070-7080	SANDSTONE; light gray to light brown, firm to fair, fine grained to silty, subangular, poor sorted, tight, no fluorescence stain odor or cut. CLAYSTONE?: light brown, very soft, waxy, occasionally floating quartz grains, moderately bright yellow mineral fluorescence. SHALE; continued as above.
7080-7090	SHALE; dark gray to brown to black, platy, subfissile, occasionally carbonaceous. SANDSTONE; light gray, firm to hard, very fine grained to silty, calcareous, tight, no fluorescence stain odor or cut.
7090-7100	SANDSTONE; light gray, friable to firm, fine grained to silty, micro black mineral inclusion, argillaceous in part, calcareous cement, tight throughout, no fluorescence stain odor or cut.
7100-7120	SHALE; light gray to green to brown to dark gray to black, very soft, platy, splintery, subfissile, commonly waxy, occasionally with scattered quartz grains, trace black carbonaceous, trace fine gritty texture as above.
7120-7130	SHALE; gray to gray green to dark gray, soft, splintery, subwaxy, occasionally black carbonaceous, occasionally silty in part.
7130-7150	SANDSTONE; light gray to gray, friable to firm fine to lower fine grained, subangular, very fine black mineral inclusion, predominantly silica, trace calcareous cement, no to poor visible porosity, no fluorescence stain odor or cut. SHALE; varicolored, green to gray to brown to red brown, soft, blocky subwaxy to waxy, commonly dark gray to black, carbonaceous in part continued as above.
7150-7160	SANDSTONE; light gray to gray, friable to firm, fine grained to lower fine grained, well sorted and consolidated, micro black mineral inclusion, silica, no visible porosity, no fluorescence stain odor or cut. SHALE; continued as above, decrease amount varicolored, waxy.
7160-7180	SANDSTONE; light gray to dirty gray, friable, very good grained to silty, fine black mineral inclusion, black shale stringers, tight, no fluorescence stain odor or cut. SHALE; gray to dark gray to black, firm to soft, platy, subfissile, occasionally black carbonaceous, traces light green to brown, blocky waxy, rarely varigated.
7180-7200	SHALE; dark gray to dark brown to black, firm to soft, platy, occasionally splintery, subfissile commonly carbonaceous in part, trace light green to red brown, blocky, waxy, trace varigated.
7200-7210	SHALE; dark gray to dark brown, firm to soft, subplaty to subblocky, predominantly with fine gritty to silty texture, trace silty, commonly with fine black carbonaceous inclusion.
	TD at 7210', 17:00 hrs, 8/25/07

Summit Operating LLC
Federal H 34-30
43-047-38883
30 10s 24e

CONFIDENTIAL

TRUE DRILLING LLC

DAILY DRILLING REPORT 4558

DRILLER MUST FILL IN EACH SPACE BELOW WHICH IS APPLICABLE TO WORK PERFORMED DURING HIS TOUR. TOTAL FUEL STORAGE 1355 USABLE FUEL 4[illegible] used 508

DRILLER MUST MAKE COMPLETE REPORT OF ANY INJURY TO AN EMPLOYEE ON HIS TOUR. EACH EMPLOYEE MUST SIGN PAYROLL RECORD ON THIS REPORT SHOWING TIME WORKED.

DRILLER MUST Perform the Above Without Fail!

CUMULATIVE TIME FROM LAST REPORT: DRILLING 81 HOURS CORING ____ HOURS REAMING ____ HOURS

MORNING TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
22:00	23:00				Rig down					
23:00	24:00				Rig down					
24:00	01:00				Rig down					
01:00	02:00				Rig down					
02:00	03:00				Rig down					
03:00	04:00				Rig down					
04:00	05:00				Rig down					
05:00	06:00				Rig down					

TOTAL WEIGHT OF DRILLING STRING ____ LBS.

KEEP REPORT CLEAN

PAYROLL RECORD		HRS.	INJURY
DRILLER	Timmy Brown	8	JR No
DERRICKMAN	David webster	8	DW No
MOTORMAN	Roger crain	5	RC N
FLOORMAN	James cruitz	8	J No
FLOORMAN	Shawn Sparlin	8	
Derrickman =	Roger crain	7	RC No

BIT RECORD		MFG		TOTAL FTG.
BIT NO.		SER #		TOTAL HRS.
SIZE		JET SIZE		D U L L: CUT. STRUC. I O D L / B G O R
IADC CODE		DEPTH IN		
		DEPTH OUT		

KELLY — SIZE — NO. — FEET — DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT — TALLY BOARD — CORRECTION PLUS MINUS FT.

LIST ALL ENGINES DATE LAST OIL CHANGE #1 262 #2 228 #3 228 LP1 204 LP2 70 DSD DST

DRILLING STRING AT END OF TOUR: COLLARS, STANDS, SINGLES, TOTAL, LESS KELLY UP, TOTAL DEPTH

MUD RECORD: TIME, WT., VISC., W.L., CAKE, P.H., SAND, PV, YP; MUD AND CHEMICALS ADDED: AMOUNT, KIND

DEVIATION: DEGREES, DEPTH

DRILLING TIME ____ HOURS CORING TIME ____ HOURS REAMING TIME ____ HOURS

REMARKS: Loader 918 hrs.
Rig Released @ Midnite 7-27-07
Danny Knop
s/m on Rigging Down

DAY TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
06:00	18:00				RDRT					

TOTAL WEIGHT OF DRILLING STRING ____ LBS.

KEEP REPORT CLEAN

PAYROLL RECORD		HRS.	INJURY
DRILLER	C.D. LASTER	12	[illegible]
DERRICKMAN	RUEBEN SANCHEZ	12	
MOTORMAN	BYRON LEATHAM	12	
FLOORMAN	MICHAEL JOLLIFF	12	
FLOORMAN			

BIT RECORD		MFG		TOTAL FTG.
BIT NO.		SER #		TOTAL HRS.
SIZE		JET SIZE		D U L L: CUT. STRUC. I O D L / B G O R
IADC CODE		DEPTH IN		
		DEPTH OUT		

KELLY — SIZE — NO. — FEET — DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT — TALLY BOARD — CORRECTION PLUS MINUS FT.

LIST ALL ENGINES DATE LAST OIL CHANGE #1 264 #2 230 #3 230 LP1 212 LP2 70 DSD DST

RECEIVED
OCT 03 2007
DIV. OF OIL, GAS & MINING

DRILLING STRING AT END OF TOUR				MUD RECORD												DEVIATION	
	SIZE	NO.	FEET	TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND		DEGREES	DEPTH
STANDS																	
SINGLES																	
TOTAL																	
LESS KELLY UP																	
TOTAL DEPTH																	

REMARKS:

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	EVENING TOUR FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
					KEEP REPORT CLEAN					
					TOTAL WEIGHT OF DRILLING STRING LBS.					

PAYROLL RECORD	HRS.	INJURY
DRILLER		
DERRICKMAN		
MOTORMAN		
FLOORMAN		
FLOORMAN		

BIT RECORD				MFG			TOTAL FTG.	
BIT NO.				SER #			TOTAL HRS.	
SIZE				JET SIZE			DULL: CUT. STRUC. I O D L	
IADC CODE				DEPTH IN			B G O R	
				DEPTH OUT				

	SIZE	NO.	FEET
KELLY			
COLLARS			

DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT — TALLY BOARD — CORRECTION PLUS MINUS FT.

LIST ALL ENGINES DATE LAST OIL CHANGE #1 #2 #3 LP1 LP2 DSD DST

DRILLING TIME HOURS — CORING TIME HOURS — REAMING TIME HOURS

REMARKS:

Company Summit Operations LLC Field Natural Buttes Lease UTU 6621 Well No 30 Sec 30 Twp 10S Range 24E County Uintah State Utah

Rig No. 22. This is 11 day on well, 8 day under surface, ______ day without a lost time accident. Cumulative Time: Drilling 86 hours Coring ____ hours Reaming ____ hours

Drilling Line: Make WAI No. Lines 10 T.M. since last cut ______ Total T.M. ______ Date Aug. Tue 28, 2007

USE BACK OF YELLOW SHEET FOR CALCULATIONS AND SKETCHES

THIS REPORT IS FULL AND COMPLETE.

______ TOOLPUSHER

MAKE SURE ALL BLANKS ARE FILLED, AND CORRECT

TRUE DRILLING LLC

DAILY DRILLING REPORT

4557

DRILLER MUST FILL IN EACH SPACE BELOW WHICH IS APPLICABLE TO WORK PERFORMED DURING HIS TOUR. TOTAL FUEL STORAGE 13,550 USABLE FUEL 5_30 Used 373
DRILLER MUST MAKE COMPLETE REPORT OF ANY INJURY TO AN EMPLOYEE ON HIS TOUR. EACH EMPLOYEE MUST SIGN PAYROLL RECORD ON THIS REPORT SHOWING TIME WORKED.

DRILLER MUST Perform the Above Without Fail!

CUMULATIVE TIME FROM LAST REPORT: DRILLING 81 HOURS-CORING ____ HOURS-REAMING ____ HOURS

MORNING TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
2200	2300				Lay Down DP					
2300	2400				Lay Down DP					
2400	0100				Lay Down DP					
0100	0200									
0200	0300				LD DP's Rig [illegible]					
0300	0400				R[illegible]					
0400	0500				R[illegible]					
0500	0600				R[illegible] casing					

TOTAL WEIGHT OF DRILLING STRING ____ LBS.

PAYROLL RECORD		HRS.	INJURY
DRILLER	Jimmy Brown	8	JB NI
DERRICKMAN	David Webster	8	DW NI
MOTORMAN	Roger Crain	8	RC NI
FLOORMAN	James Cantz	8	JC NI
FLOORMAN	Shawn Sparlin	8	SS NI

BIT RECORD			
BIT NO.		MFG	
SIZE		SER #	
IADC CODE		JET SIZE	
		DEPTH IN	
		DEPTH OUT	242

TOTAL FTG. ____ TOTAL HRS. ____ DULL: CUT. STRUC. I O D L B G O R

KELLY | SIZE | NO. | FEET | DRILLPIPE MEASURED (IN) (OUT OF) HOLE | CORRECT MEASUREMENT | TALLY BOARD | CORRECTION | PLUS MINUS | FT.

LIST ALL ENGINES / DATE LAST OIL CHANGE: #1 [illegible] #2 208 #3 208 LP1 184 LP2 70 DSD ____ DST ____

DRILLING STRING AT END OF TOUR	SIZE	NO.	FEET
COLLARS			
STANDS			
SINGLES			
TOTAL			
LESS KELLY UP			
TOTAL DEPTH			

MUD RECORD: TIME | WT. | VISC. | W.L. | CAKE | P.H. | SAND | PV | YP | MUD AND CHEMICALS ADDED AMOUNT | KIND

DEVIATION: DEGREES | DEPTH

DRILLING TIME ____ HOURS CORING TIME ____ HOURS REAMING TIME ____ HOURS

REMARKS: Safety Meeting Lay Down DC's
Pinch Points and hazards [illegible]-2800
[illegible] 909 [illegible]
[illegible]-1750
[illegible]-700
Fork lift 909 [illegible]

DAY TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
0600					Run Casing					

TOTAL WEIGHT OF DRILLING STRING ____ LBS.

PAYROLL RECORD		HRS.	INJURY
DRILLER	C.D. Lester	12	
DERRICKMAN	Reuben Sanchez	12	RS NI
MOTORMAN	Byron Leathem	12	BL NI
FLOORMAN			
FLOORMAN	mike Jolliff	12	MJ NI

BIT RECORD			
BIT NO.		MFG	
SIZE		SER #	
IADC CODE		JET SIZE	
		DEPTH IN	
		DEPTH OUT	

TOTAL FTG. ____ TOTAL HRS. ____ DULL: CUT. STRUC. I O D L B G O R

KELLY | SIZE | NO. | FEET | DRILLPIPE MEASURED (IN) (OUT OF) HOLE | CORRECT MEASUREMENT | TALLY BOARD | CORRECTION | PLUS MINUS | FT.

LIST ALL ENGINES / DATE LAST OIL CHANGE: #1 #2 #3 LP1 LP2 DSD DST

DRILLING STRING AT END OF TOUR														DEGREES	DEPTH	DRILLING TIME	HOURS	CORING TIME	HOURS	REAMING TIME	HOURS
STANDS			TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND			REMARKS: 15 min Safety meeting w/cementers					
SINGLES																					
TOTAL																					
LESS KELLY UP																					
TOTAL DEPTH																Chainged oil in #2 #3 Torque Converters					

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	EVENING TOUR FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	PUMP S.P.M.	PUMP PRESS	PAYROLL RECORD	HRS.	INJURY
											DRILLER		
											DERRICKMAN		
					KEEP REPORT CLEAN				—		MOTORMAN		
											FLOORMAN		
											FLOORMAN		
					TOTAL WEIGHT OF DRILLING STRING LBS.								

BIT RECORD			MFG			TOTAL FTG.	
BIT NO.			SER #			TOTAL HRS.	
SIZE			JET SIZE			DULL CUT. STRUC. I O D L	
IADC CODE			DEPTH IN			B G O R	
			DEPTH OUT				

KELLY	SIZE	NO.	FEET	DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT	TALLY BOARD	CORRECTION	PLUS MINUS FT.	LIST ALL ENGINES DATE LAST OIL CHANGE	#1	#2	#3	LP1	LP2	DSD	DST

DRILLING STRING AT END OF TOUR														DEVIATION DEGREES	DEPTH	DRILLING TIME	HOURS	CORING TIME	HOURS	REAMING TIME	HOURS
COLLARS			MUD RECORD																		
STANDS			TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND			REMARKS:					
SINGLES																					
TOTAL																					
LESS KELLY UP																					
TOTAL DEPTH																					

Company Summit operations LLC Field Natural Butt Lease UTU 6621 Well No. 30 Sec. 30 Twp. 10S Range 24E County Uinta State UTah

Rig No. 22. This is 10 day on well, 7 day under surface, ____ day without a lost time accident. Cumulative Time: Drilling ____ hours Coring ____ hours Reaming ____ hours

Drilling Line: Make ____ No. Lines ____ T.M. since last cut ____ Total T.M. ____ Date 8-27-07, 20____

THIS REPORT IS FULL AND COMPLETE.

USE BACK OF YELLOW SHEET FOR CALCULATIONS AND SKETCHES

MAKE SURE ALL BLANKS ARE FILLED, AND CORRECT

Tom Allen TOOLPUSHER

DAILY DRILLING REPORT

TRUE DRILLING LLC — **DAILY DRILLING REPORT** 4554

DRILLER MUST FILL IN EACH SPACE BELOW WHICH IS APPLICABLE TO WORK PERFORMED DURING HIS TOUR. TOTAL FUEL STORAGE [illegible] USABLE FUEL [illegible] used 1212
DRILLER MUST MAKE COMPLETE REPORT OF ANY INJURY TO AN EMPLOYEE ON HIS TOUR. EACH EMPLOYEE MUST SIGN PAYROLL RECORD ON THIS REPORT SHOWING TIME WORKED.

DRILLER MUST Perform the Above Without Fail!

CUMULATIVE TIME FROM LAST REPORT: DRILLING [illegible] HOURS-CORING ____ HOURS-REAMING ____ HOURS

KEEP REPORT CLEAN

MORNING TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS.
2200	2300	6811			Drlg					
2300	2400				Drlg	[illegible]	[illegible]	[illegible]	120	[illegible]
2400	0100				Drlg					
0100	0200				Drlg	[illegible]	[illegible]	[illegible]	120	[illegible]
0200	0300				Drlg					
0300	0400				Drlg					
[illegible]	[illegible]				Drlg					
[illegible]	[illegible]		7070	259	Drlg					
					125 / 153					

TOTAL WEIGHT OF DRILLING STRING 155,000 LBS.

PAYROLL RECORD		HRS.	INJURY
DRILLER	Wade [illegible] (Car-700)	8	
DERRICKMAN	Justin [illegible]	8	JTV NO
MOTORMAN	Ron Hank[illegible]	8	[illegible]
FLOORMAN	Mike [illegible]	8	MN NO
FLOORMAN	Shane [illegible]	8	

BIT RECORD			
BIT NO.	1	MFG	HTC HC506Z
SIZE	7 7/8	SER #	7111687
IADC CODE	PDC	JET SIZE	6x16
		DEPTH IN	2034
		DEPTH OUT	
TOTAL FTG.	5036	TOTAL HRS.	75 1/2

DULL: CUT. STRUC. I O D L B G O R

LIST ALL ENGINES DATE LAST OIL CHANGE #1 178 #2 164 #3 164 LP1 140 LP2 70 DSD DST

DRILLING STRING AT END OF TOUR	SIZE	NO.	FEET
KELLY			
COLLARS	6 1/4	[illegible]	487.07
STANDS		71	6603.12
SINGLES	4 1/2		—
TOTAL			7090
LESS KELLY UP			20
TOTAL DEPTH			7070

DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT -BHA- TALLY BOARD CORRECTION PLUS MINUS FT.

MUD RECORD

TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND
									30/3	[illegible]
4[illegible]	10.5 / 10.3	37/50	5.9						3/	[illegible]
									15	[illegible]
									[illegible]	T 10 / RU 17 / 147

DEVIATION DEGREES DEPTH

DRILLING TIME 8 HOURS CORING TIME ____ HOURS REAMING TIME ____ HOURS

REMARKS: V.C.O.M. [illegible] 2200
[illegible] 1500
06 AM Depth 7070 [illegible]
#1 SPR 59 stks [illegible] @ 6664 w/ 10.0 ppg
[illegible] Mud [illegible] Hrs [illegible]

DAY TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
600	700	7070			Drlg					
700	800				Drlg					
800	900				Drlg					
900	1000		7122		Drlg					
1000	1100				Rig 1/2, Drlg 1/2					
1100	1200				Drlg	13/34	51/90	6 1/2 x 9	112	1600/800
1200	100				Drlg					
100	200		7176	106	Drlg					

TOTAL WEIGHT OF DRILLING STRING 160,000 LBS.

PAYROLL RECORD		HRS.	INJURY
DRILLER	Rod Voth Car-330 mi.	12	RV NO
DERRICKMAN	Jeff Stowe	12	JS NO
MOTORMAN	Rob Heller	12	RH NO
FLOORMAN	John D. Supernor	12	JDS
FLOORMAN	James Manly	12	JM NO

BIT RECORD			
BIT NO.	1	MFG	HTC HC506Z
SIZE	7 7/8	SER #	7111687
IADC CODE	PDC	JET SIZE	6x16
		DEPTH IN	2034
		DEPTH OUT	
TOTAL FTG.	5142	TOTAL HRS.	83

DULL: CUT. STRUC. I O D L B G O R

KELLY SIZE NO. FEET 40 DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT TALLY BOARD CORRECTION PLUS MINUS FT.

LIST ALL ENGINES DATE LAST OIL CHANGE #1 210 #2 176 #3 176 LP1 152 LP2 70 DSD DST

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DRILLING STRING AT END OF TOUR				TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND
STANDS	4½	72	6657.32											
SINGLES	4½	—	—	[illegible]	10.6	50							[illegible]	[illegible]
TOTAL			7184	[illegible]	[illegible]	45							[illegible]	[illegible]
LESS KELLY UP			8										[illegible]	[illegible]
TOTAL DEPTH			7176										[illegible]	[illegible]

REMARKS: Tripped Crown-A-Matic Forklift Hrs: P.V. Wt. - 166
#1 SCR @ 7122' - 53 stks W/10.7 ppg W/400 PSI S.O. Wt. - 154
J'd Oil In Swivel, Table, K. Chain, Dwks, Comp, Air Comps, Pumps, Rot. Head
J'd BOP, BOP Lines, Acc, Choke Manifold, Worked Kelly & Floor Valve
[illegible] Mtg: Working Around The Rot. Head, Grease Crown

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	EVENING TOUR — FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
12:00	3:00	7176			Drlg					
3:00	4:00				Drlg					
4:00	5:00		7210	34	Drlg					
5:00	6:00				Circ				—	
6:00	7:00				Circ. & Pump [illegible] T.O.O.H					
7:00	8:00				T.O.O.H					
8:00	9:00				T.O.O.H					
9:00	10:00				T.O.O.H					

KEEP REPORT CLEAN

TOTAL WEIGHT OF DRILLING STRING 166,000 LBS.

PAYROLL RECORD		HRS.	INJURY
DRILLER	Jimmy Brown	4	J.B. No
DERRICKMAN	David Webster	4	D.W. No
MOTORMAN	[illegible]	4	R.C. No
FLOORMAN	James [illegible]	4	J.C. No
FLOORMAN	[illegible]	4	

BIT RECORD	
BIT NO.	1
SIZE	7⅞
IADC CODE	6 0 C
MFG	HTC
	HC506Z
SER #	7111687
JET SIZE	6x16
DEPTH IN	2034
DEPTH OUT	7210
TOTAL FTG.	5176
TOTAL HRS.	86

DULL: CUT. STRUC. I O D L — B G O R

KELLY SIZE — NO. — FEET 40 — DRILLPIPE MEASURED (IN) (OUT OF) HOLE — CORRECT MEASUREMENT — TALLY BOARD — CORRECTION PLUS MINUS FT.

LIST ALL ENGINES DATE LAST OIL CHANGE #1 214 #2 180 #3 180 LP1 156 LP2 70 DSD DST

DEVIATION DEGREES DEPTH — DRILLING TIME 3 HOURS — CORING TIME HOURS — REAMING TIME HOURS

DRILLING STRING AT END OF TOUR				TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND
COLLARS	6¼	15-DC's	487.07 BHA											
STANDS	4½	72	6657.32											
SINGLES	4½	X	31.19	1800	10.8	46								
TOTAL			7215											
LESS KELLY UP			5											
TOTAL DEPTH			7210											

REMARKS:

Company Summit Operating LLC Field [illegible] Lease UTU 66471 Well No. Fed #34 Sec. 30 Twp. 10S Range 24E County Uintah State Utah

Rig No. [illegible]. This is 4 day on well, 5 day under surface, ______ day without a lost time accident. Cumulative Time: Drilling 86 hours Coring ____ hours Reaming ____ hours

Drilling Line: Make WRI No. Lines 10 T.M. since last cut ______ Total T.M. ______ Date Sat Aug 25th, 2007

THIS REPORT IS FULL AND COMPLETE.

[signature] TOOLPUSHER

USE BACK OF YELLOW SHEET FOR CALCULATIONS AND SKETCHES

MAKE SURE ALL BLANKS ARE FILLED, AND CORRECT

TRUE DRILLING LLC — **DAILY DRILLING REPORT** 4553

DRILLER MUST FILL IN EACH SPACE BELOW WHICH IS APPLICABLE TO WORK PERFORMED DURING HIS TOUR. TOTAL FUEL STORAGE 12150 USABLE FUEL [illegible] 69 used 1120

DRILLER MUST MAKE COMPLETE REPORT OF ANY INJURY TO AN EMPLOYEE ON HIS TOUR. EACH EMPLOYEE MUST SIGN PAYROLL RECORD ON THIS REPORT SHOWING TIME WORKED.

DRILLER MUST Perform the Above Without Fail!

CUMULATIVE TIME FROM LAST REPORT: DRILLING 47½ HOURS-CORING ____ HOURS-REAMING ____ HOURS

MORNING TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	PUMP S.P.M.	PUMP PRESS
2200	2300	5877	5880	3	Drlg	1½5	5¾4	6½x9	120	3?0
[illegible]	[illegible]				Circ - Work on Pason					
[illegible]	0100				Circ ½ Work on Pason ½					
[illegible]	0200				Work on Pason				—	
[illegible]	0300	5880			Work on Pason ½ Drlg ½					
[illegible]	0400				Drlg	1½5	5¾4	6½x9	120	[illegible]
[illegible]	0500				Drlg					
[illegible]	[illegible]		6066	186	Drlg ↑14K ↑130K					

TOTAL WEIGHT OF DRILLING STRING 140,000 LBS.

PAYROLL RECORD		HRS.	INJURY
DRILLER	Whate Dohman	8	[illegible]
DERRICKMAN	Justin Dotand	8	JN NO
MOTORMAN	Ross Hendrickson	8	KH NO
FLOORMAN	Mike Nyhus	8	MN NO
FLOORMAN	Shane Nyhus	8	SN NO
	47½		

BIT RECORD			
BIT NO.	1	MFG	HTC HC 506Z
SIZE	7⅞	SER #	7111687
IADC CODE	P D C	JET SIZE	4/16
		DEPTH IN	2034
		DEPTH OUT	

TOTAL FTG. 4032 — TOTAL HRS. 52

DULL: CUT. STRUC I O D L B G O R

LIST ALL ENGINES DATE LAST OIL CHANGE #1 170 #2 140 #3 140 LP1 116 LP2 70 DSD DST

DRILLING STRING AT END OF TOUR	SIZE	NO.	FEET
KELLY			
COLLARS	6½	[illegible]	427.07 BHA
STANDS	4½	60	5578.61
SINGLES	4½		—
TOTAL			6066
LESS KELLY UP			6
TOTAL DEPTH			6066

DRILLPIPE MEASURED (IN) (OUT OF) HOLE — CORRECT MEASUREMENT — TALLY BOARD — CORRECTION — PLUS MINUS — FT.

MUD RECORD

TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND
2200	9.4	40	5.6						3	caustic
									3	Pac R
0400	9.4	40/41	5.6						10 sxl	[illegible]
									42	Gel

DEVIATION DEGREES DEPTH

DRILLING TIME 4½ HOURS CORING TIME HOURS REAMING TIME HOURS

REMARKS: ✓ C.O.M. — am 6:00 — [illegible] 12:00 — am 2:00

06 AM Depth 6066

#1 CPD 59 SPM 391 PSI @ 5604 w/ 9.4 ppg

Slm on Trans Forklift [illegible] 999.1

DAY TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	PUMP S.P.M.	PUMP PRESS
6⁰⁰	7⁰⁰	6066			Drlg					
7⁰⁰	8⁰⁰				Drlg					
8⁰⁰	9⁰⁰				Drlg					
9⁰⁰	10⁰⁰				Drlg					
10⁰⁰	11⁰⁰				Drlg					
11⁰⁰	12⁰⁰				Drlg	14/14	5¾4	6½x9	120	1?/1?00
12⁰⁰	1⁰⁰				Drlg					
1⁰⁰	2⁰⁰		6440	374	Drlg					

TOTAL WEIGHT OF DRILLING STRING 150,000 LBS.

PAYROLL RECORD		HRS.	INJURY
DRILLER	Rod Vath	12	RV NO
DERRICKMAN	Jeff Stone	12	JS NO
MOTORMAN	Rob Heller	12	RH NO
FLOORMAN	John D. Superner	12	JDS NO
FLOORMAN	James Manly	12	JM NO

BIT RECORD			
BIT NO.	1	MFG	HTC HC 506Z
SIZE	7⅞	SER #	7111687
IADC CODE	PDC	JET SIZE	6x16
		DEPTH IN	2034
		DEPTH OUT	

TOTAL FTG. 4406 — TOTAL HRS. 60

DULL: CUT. STRUC I O D L B G O R

KELLY SIZE NO. FEET 40 — DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT TALLY BOARD CORRECTION PLUS MINUS FT.

LIST ALL ENGINES DATE LAST OIL CHANGE #1 186 #2 152 #3 152 LP1 128 LP2 70 DSD DST

KEEP REPORT CLEAN

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DRILLING STRING AT END OF TOUR				TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND
STANDS	4½	64	5908.49											
SINGLES	4½	X	3199	7:00	9.5	40							46B371	Gel [illegible]
TOTAL			6467	11:00	9.6	42							3/2	[illegible]
LESS KELLY UP			27	1:00	9.7+	44							[illegible]	[illegible]
TOTAL DEPTH			6440	3:30	9.9+	49							10	[illegible]

REMARKS: Tripped Crown-A-Matic Forklift Hrs. -894 P.U.Wt. 15[illegible]
SS.C Rig-78hrs #1 SPR @6250 -56stks W/95 psi W/340PSI S.O.Wt. 17[illegible]
Oil In Swivel, Table, R.Chain, Dwks Comp, AirComps, Pumps, Koti Head
D.BOP, BOP Lines, Acc, Choke Manifold Greased Blocks & Crown
Held Safety Meeting On Rolling Casing Or Drill Pipe

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	EVENING TOUR — FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
200	300	6440	6499		Drlg					
300	400				Rig ✓ ½, Drlg ½					
400	500				Drlg				—	
500	600		6600	160	Drlg					
1800	1900	[illegible]			Drlg					
1900	2000				Drlg	15	55/70	6½	120	[illegible]
2000	2100				Drlg					
2100	2200		6711	211	Drlg					
					+163K / -144K					

TOTAL WEIGHT OF DRILLING STRING 155,000 LBS.

KEEP REPORT CLEAN

PAYROLL RECORD		HRS.	INJURY
DRILLER	Wade Uptain	4	[illegible]
DERRICKMAN	Justin Noland	4	[illegible]
MOTORMAN	Ron Hawkinson	4	[illegible]
FLOORMAN	Mike Nybus	4	[illegible]
FLOORMAN	Shawn Nybus	4	

BIT RECORD			
BIT NO.	1	MFG	HTC
SIZE	7⅞	SER #	7111607
IADC CODE	PDC	JET SIZE	6/16
		DEPTH IN	2034
		DEPTH OUT	

TOTAL FTG.	4777
TOTAL HRS.	67½

DULL: CUT. STRUC. I O D L — B G O R

LIST ALL ENGINES — DATE LAST OIL CHANGE: #1 190 #2 156 #3 156 LP1 132 LP2 70 DSD DST

DRILLING STRING AT END OF TOUR	SIZE	NO.	FEET	TIME	WT.	VISC.	RWt	CAKE	P.H.	SAND	PV	YP	AMOUNT	KIND
KELLY														
COLLARS	[illegible]	[illegible]	[illegible]	-BHA										
STANDS	4½	17	6324.76											
SINGLES	4½		—	18:00	10.2	50/40	553							
TOTAL			6711.93											
LESS KELLY UP			—	22:00	10.2	47/40	[illegible]							
TOTAL DEPTH			6711											

DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT — TALLY BOARD — CORRECTION PLUS MINUS FT.

DRILLING TIME 9½ HOURS — CORING TIME HOURS — REAMING TIME HOURS

REMARKS: VCOM
#1 SPR 57 stks 623 PSI @ 6654 [illegible]
S/M on Mixing Mud

Company Summit Operating LLC Field Natural Butte Lease [illegible] Well No. Fed #34-30 Sec. 30 Twp. 10S Range 24E County Uinta State Utah

Rig No. 2 This is 7 day on well, 4 day under surface, 2 day without a lost time accident. Cumulative Time: Drilling 67½ hours Coring ___ hours Reaming ___ hours

Drilling Line: Make WRT No. Lines 10 T.M. since last cut ___ Total T.M. Fri Aug 24th Date Fri Aug 24th, 2007

USE BACK OF YELLOW SHEET FOR CALCULATIONS AND SKETCHES

MAKE SURE ALL BLANKS ARE FILLED, AND CORRECT

THIS REPORT IS FULL AND COMPLETE.

Tom Albee TOOLPUSHER

TRUE DRILLING LLC — **DAILY DRILLING REPORT** 4552

DRILLER MUST FILL IN EACH SPACE BELOW WHICH IS APPLICABLE TO WORK PERFORMED DURING HIS TOUR. TOTAL FUEL STORAGE 13150 USABLE FUEL [illegible]
DRILLER MUST MAKE COMPLETE REPORT OF ANY INJURY TO AN EMPLOYEE ON HIS TOUR. EACH EMPLOYEE MUST SIGN PAYROLL RECORD ON THIS REPORT SHOWING TIME WORKED.

DRILLER MUST Perform the Above Without Fail!

CUMULATIVE TIME FROM LAST REPORT: DRILLING 27½ HOURS CORING ____ HOURS REAMING ____ HOURS

MORNING TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
[illegible]	[illegible]	[illegible]			Drlg					
[illegible]	[illegible]				Drlg	15	55/95	6½x9	118	[illegible]
[illegible]	[illegible]		4594	186	Drlg					
[illegible]	0200				Shut well End [illegible]					
[illegible]	[illegible]				[illegible]					
[illegible]	[illegible]	4594			Drlg	15	[illegible]	6½x9	116	1066/1342
[illegible]	[illegible]				Drlg					
[illegible]	[illegible]		4805	216	Drlg [illegible] +120K					

TOTAL WEIGHT OF DRILLING STRING 123,[illegible] LBS.

PAYROLL RECORD		HRS.	INJURY
DRILLER	[illegible]	[illegible]	WV No
DERRICKMAN	Ron Hawkinson	[illegible]	RH No
MOTORMAN	[illegible]	[illegible]	MN No
FLOORMAN	[illegible]	[illegible]	SN No
FLOORMAN		[illegible]	
	27½		

BIT RECORD			
BIT NO.	1	MFG.	[illegible]
SIZE	7⅞	SER #	[illegible]
IADC CODE	P D C	JET SIZE	[illegible]
		DEPTH IN	[illegible]
		DEPTH OUT	

TOTAL FTG. 2771 TOTAL HRS. [illegible]
DULL: CUT. STRUC. I O D L B G O R

KELLY SIZE NO. FEET 40 DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT TALLY BOARD CORRECTION PLUS MINUS FT.
LIST ALL ENGINES DATE LAST OIL CHANGE #1 150 #2 11/ #3 11/ LP1 [illegible] LP2 [illegible] DSD DST

DRILLING STRING AT END OF TOUR	SIZE	NO.	FEET
COLLARS	[illegible]	[illegible]	[illegible]
STANDS	[illegible]	46	4286.0[illegible]
SINGLES	[illegible]	X	31.97
TOTAL			4805
LESS KELLY UP			[illegible]
TOTAL DEPTH			4805

BHA

MUD RECORD

TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	AMOUNT	KIND
[illegible]	9.4	40/41	560						[illegible]	Bar Gel
									3 SKs 3 SK	Caustic Pac R
[illegible]	9.2	37	575						[illegible]	[illegible]

DEVIATION DEGREES DEPTH

DRILLING TIME 6 HOURS CORING TIME HOURS REAMING TIME HOURS

REMARKS: [illegible] [illegible] 2900
06AM Depth 4805 [illegible]
Ra[illegible] [illegible]
[illegible] 371 [illegible]
[illegible] Forklift Hrs 865.3[illegible]

DAY TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
6:00	7:00	4805			Drlg	15	55/94	6½x9	120	850/975
7:00	8:00				Drlg					
8:00	9:00				Drlg					
9:00	10:00				Drlg					
10:00	11:00				Drlg					
11:00	12:00		5204		Drlg	12/16	55/94	6½x9	120	1450/1650
12:00	1:00				Rig ½ Drlg ½					
1:00	2:00		5265		Drlg ½, Survey ½					

TOTAL WEIGHT OF DRILLING STRING 133,000 LBS.

PAYROLL RECORD		HRS.	INJURY
DRILLER	Rod Vath	12	RV NO
DERRICKMAN	Jeff Stone	12	JS NO
MOTORMAN	Rob Heller	12	RH NO
FLOORMAN	John D. Supernor	12	JDS NO
FLOORMAN	James Manly	12	JM NO

BIT RECORD			
BIT NO.	1	MFG.	HTC HC506Z
SIZE	7⅞	SER #	7111687
IADC CODE	P D C	JET SIZE	6x16
		DEPTH IN	2034
		DEPTH OUT	

TOTAL FTG. 3231 TOTAL HRS. 40½
DULL: CUT. STRUC. I O D L B G O R

KELLY SIZE NO. FEET 40 DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT TALLY BOARD CORRECTION PLUS MINUS FT.
LIST ALL ENGINES DATE LAST OIL CHANGE #1 162 #2 128 #3 128 LP1 104 LP2 70 DSD DST

KEEP REPORT CLEAN

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DRILLING STRING AT END OF TOUR					MUD RECORD												DEGREES	DEPTH	DRILLING TIME 7 HOURS / CORING TIME HOURS / REAMING TIME HOURS
STANDS	4½	51	4707.32		TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	AMOUNT	KIND		1½	5790	REMARKS: Tripped Crown-A-Matic For Klift Hrs. - 891 P.U. Wt. - 136
SINGLES	4½	X	30.64		2:30	9.2	38							10/3					#1 SPR @ 4926 - 61 stks W/9.2ppg W/350 PSI 80# Quik Pols S.O. Wt. - 130
TOTAL			5265			9.2	38							3/28					#1 SPR @ 5204 - 61 stks W/9.4 ppg W/400 PSI Greased Blocks + Crown
LESS KELLY UP			—		1:30	9.4+	41												Oil In Swivel, Table, R Chain, Brake Comp. Air Comps. Pumps, Rot Head
TOTAL DEPTH			5265		3:00	9.4	42												Held Safety Meeting On Working Above Other Hole

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	EVENING TOUR FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
200	300	5265			Drlg					
300	400				Drlg					
400	500				Drlg				—	
500	600		5571	706	Drlg ½, Work-On #3 Mtr ½					
1800	1900				Work on #3 Mtr ½ Drlg					
1900	2000	5571			Drlg	15	55/64	6x9	120	1300
2000	2100				Drlg					
2100	2200		5788	217	Drlg ↑ 142 K ↓ 130 K					
					TOTAL WEIGHT OF DRILLING STRING 140 LBS.					

PAYROLL RECORD		HRS.	INJURY
DRILLER	Wade Nyhus	4	[illegible]
DERRICKMAN	Ron Haws[illegible]	4	[illegible]
MOTORMAN	Mike Nyhus	4	[illegible]
FLOORMAN	Shane Nyhus	4	[illegible]
FLOORMAN		4	

BIT RECORD		MFG	HC	[illegible]	TOTAL FTG.	3754
BIT NO.	1	SER #	[illegible]		TOTAL HRS.	47½
SIZE	7⅞	JET SIZE	[illegible]		DULL: CUT. STRUC. I O D L / B G O R	
IADC CODE	P D C	DEPTH IN	2034			
		DEPTH OUT				

LIST ALL ENGINES / DATE LAST OIL CHANGE: #1 166, #2 132, #3 132, LP1 [illegible], LP2 [illegible], DSD, DST

KELLY | SIZE | NO. | FEET | DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT | TALLY BOARD | CORRECTION | PLUS MINUS FT.

DRILLING STRING AT END OF TOUR				MUD RECORD												DEGREES	DEPTH	DRILLING TIME 7 HOURS / CORING TIME HOURS / REAMING TIME HOURS
COLLARS	4½	[illegible]	487.07	TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	AMOUNT	KIND				
STANDS	4½	57	5301.3	1:00	9.4	40												REMARKS: V.G.O.M
SINGLES			—															
TOTAL			5777	1:00	9.4	[illegible]												
LESS KELLY UP			10															#1 SPR 58 Stks 371 PSI @ 5604 W/9.4 PPG
TOTAL DEPTH			5788															S/M on Tongs

Company [illegible] Field [illegible] Lease [illegible] Well No. [illegible] Sec. [illegible] Twp. [illegible] Range [illegible] County Uintah State Utah

Rig No. [illegible] This is [illegible] day on well, [illegible] day under surface, ______ day without a lost time accident. Cumulative Time: Drilling 47½ hours Coring ____ hours Reaming ____ hours

Drilling Line: Make [illegible] No. Lines [illegible] T.M. since last cut ______ Total T.M. __________ Date Thur Aug 23rd, 20 07

THIS REPORT IS FULL AND COMPLETE.

USE BACK OF YELLOW SHEET FOR CALCULATIONS AND SKETCHES

MAKE SURE ALL BLANKS ARE FILLED, AND CORRECT

Tom Allen TOOLPUSHER

DRILLER MUST MAKE COMPLETE RECORD OF THE HOURS TO BE CHARGED ON HIS TOUR. EACH EMPLOYEE MUST SIGN PAYROLL RECORD ON THIS REPORT SHOWING TIME WORKED.

TRUE DRILLING LLC — DAILY DRILLING REPORT — 2552

TRUE DRILLING LLC

DAILY DRILLING REPORT

4550

DRILLER MUST FILL IN EACH SPACE BELOW WHICH IS APPLICABLE TO WORK PERFORMED DURING HIS TOUR. TOTAL FUEL STORAGE 13150 USABLE FUEL [illegible]
DRILLER MUST MAKE COMPLETE REPORT OF ANY INJURY TO AN EMPLOYEE ON HIS TOUR. EACH EMPLOYEE MUST SIGN PAYROLL RECORD ON THIS REPORT SHOWING TIME WORKED.

DRILLER MUST Perform the Above Without Fail!

CUMULATIVE TIME FROM LAST REPORT: DRILLING ____ HOURS-CORING ____ HOURS-REAMING ____ HOURS

MORNING TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
1000	1100				Pick up Drill P.P.					
1100	1200				" "					
1200	100				" "					
100	200				" "				-	
200	300				Pick up DP ½, Install Rot Rubber ½					
300	400				Fill P.P. & Drill cement @ 1960					
400	500				Drill Float [illegible]					
500	600				[illegible] 2034 ½ Drill cement					
					TOTAL WEIGHT OF DRILLING STRING LBS.					

PAYROLL RECORD

	Name	HRS.	INJURY
DRILLER	Wade Upham	9	[illegible]
DERRICKMAN	[illegible]	9	[illegible]
MOTORMAN	Ron Hankinson	9	[illegible]
FLOORMAN	Mike Nyhus	8	MN NO
FLOORMAN	[illegible]	9	[illegible]

BIT RECORD

BIT NO.	1	MFG	HTC / HC 506
SIZE	7⅞	SER #	7111687
IADC CODE	PDC	JET SIZE	6/16
		DEPTH IN	2034
		DEPTH OUT	0

TOTAL FTG. 0 TOTAL HRS. 0

DULL: CUT. STRUC. I O D L B G O R

DRILLING STRING AT END OF TOUR	SIZE	NO.	FEET
KELLY			
COLLARS			487.01 BHA
STANDS		16	1520
SINGLES	4½	x	30.74
TOTAL			2039
LESS KELLY UP			5
TOTAL DEPTH			2034

DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT — TALLY BOARD — CORRECTION PLUS MINUS FT.

LIST ALL ENGINES DATE LAST OIL CHANGE #1 106 #2 68 #3 68 LP1 44 LP2 76 DSD DST

MUD RECORD: TIME | WT. | VISC. | W.L. | CAKE | P.H. | SAND | PV | YP | MUD AND CHEMICALS ADDED AMOUNT | KIND

DEVIATION DEGREES DEPTH

DRILLING TIME 8 HOURS CORING TIME HOURS REAMING TIME HOURS

REMARKS:

[illegible] 100

Slm on Pick up DP [illegible]

DAY TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
6⁰⁰	7⁰⁰	2080			Drlg Cmt ½ (2039-2080) Drlg ½					
7⁰⁰	8⁰⁰				Drlg					
8⁰⁰	9⁰⁰		2163		Drlg ½, Survey ½					
9⁰⁰	10⁰⁰				Drlg					
10⁰⁰	11⁰⁰				Drlg					
11⁰⁰	12⁰⁰				Drlg	14/18	70/84	6¼x8	120	850/1050
12⁰⁰	1⁰⁰				Drlg					
1⁰⁰	2⁰⁰		2654		Drlg ½, Rig Service ½					
					TOTAL WEIGHT OF DRILLING STRING 100,000 LBS.					

PAYROLL RECORD

	Name	HRS.	INJURY
DRILLER	Rob Voth	12	RV NO
DERRICKMAN	Jeff Stone	12	JS NO
MOTORMAN	Rob Heller	12	RH NO
FLOORMAN	John D. Supernor	12	JDS NO
FLOORMAN	James Manly	12	JM NO

BIT RECORD

BIT NO.	1	MFG	HTC / HC 506
SIZE	7⅞	SER #	7111687
IADC CODE	PDC	JET SIZE	6x16
		DEPTH IN	2034
		DEPTH OUT	

TOTAL FTG. 620 TOTAL HRS. 7

DULL: CUT. STRUC. I O D L B G O R

KELLY SIZE NO. FEET 40

DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT — TALLY BOARD — CORRECTION PLUS MINUS FT.

LIST ALL ENGINES DATE LAST OIL CHANGE #1 118 #2 80 #3 80 LP1 56 LP2 70 DSD DST

KEEP REPORT CLEAN

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DRILLING STRING AT END OF TOUR	SIZE	NO.	FEET	TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND	DEVIATION DEGREES	DEPTH
STANDS	1/2	23	2127.72												1 1/2	2035
SINGLES	72	—	—										10 sks	EZ-Mud	2°	2576
TOTAL			2654										10 sks	7100		
LESS KELLY UP			—										10 sks	157 [illegible]		
TOTAL DEPTH			2654										10 sks	[illegible]		

DRILLING TIME ___ HOURS | CORING TIME ___ HOURS | REAMING TIME ___ HOURS

REMARKS: Tripped Crown-A-Matic, Forklift Hrs - 879, Tested BOP, BOP Lines, Accu, Choke Manifold, Worked Floor & Kelly Valve, Oil Swivel, Table, R. Chain, Dwks, Comp, Air Comps, Pumps, P.U. Wt - 10[illegible], Greased Blocks & Crown. S.O. Wt. 9[illegible]. Held Safety Meeting On Doing A Rig Service.

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	EVENING TOUR FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
2:00	3:00	2654			Survey 1/2, Drlg 1/2					
3:00	4:00				Drlg					
4:00	5:00				Drlg					
5:00	6:00		2780	946	Drlg					
17:00	19:00	2980			Drlg	15	54	6x9	120	[illegible]
19:00	20:00				Drlg					
[illegible]	21:00				Drlg					
[illegible]	[illegible]		3419	431	Drlg — ↑105 K, ↓100 K, Rot 76 K					

TOTAL WEIGHT OF DRILLING STRING 101,000 LBS.

KEEP REPORT CLEAN

PAYROLL RECORD		HRS.	INJURY
DRILLER	Wade Upham	4	[illegible]
DERRICKMAN	Justin Noland	4	[illegible]
MOTORMAN	Ryan Hankinson	4	[illegible]
FLOORMAN	Mike Nuluc	4	[illegible]
FLOORMAN	Shane [illegible]	4	[illegible]

BIT RECORD	
BIT NO.	1
SIZE	7 7/8
IADC CODE	PDC
MFG	HC 50??
SER #	711165?
JET SIZE	6x16
DEPTH IN	2034
DEPTH OUT	
TOTAL FTG.	[illegible]
TOTAL HRS.	14 1/2
DULL: CUT. STRUC. I O D L B G O R	

LIST ALL ENGINES DATE LAST OIL CHANGE #1 122 #2 [illegible] #3 74 LP1 60 LP2 [illegible] DSD DST

DRILLING STRING AT END OF TOUR	SIZE	NO.	FEET	DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT / TALLY BOARD / CORRECTION PLUS MINUS FT.
KELLY				
COLLARS	[illegible]	[illegible]	487.07	BHA
STANDS	[illegible]	31	2932	
SINGLES	40		2056	
TOTAL			3419	
LESS KELLY UP			0	
TOTAL DEPTH			3419	

MUD RECORD: TIME | WT. | VISC. | W.L. | CAKE | P.H. | SAND | PV | YP | MUD AND CHEMICALS ADDED AMOUNT | KIND — (blank)

DEVIATION DEGREES DEPTH — DRILLING TIME 9 1/2 HOURS | CORING TIME ___ HOURS | REAMING TIME ___ HOURS

REMARKS: [illegible]
[illegible] Flare Lines

Company [illegible] LLC Field Natural Buttes Lease UT-066411 Well No. Fed F3?-30 Sec 30 Twp. 10S Range 24E County Uintah State Utah

Rig No. [illegible] This is 4 day on well, 1 day under surface, ____ day without a lost time accident. Cumulative Time: Drilling [illegible] hours Coring ____ hours Reaming ____ hours

Drilling Line: Make WRT No. Lines 10 T.M. since last cut ____ Total T.M. ____ Date Tue Aug 21st, 2007

USE BACK OF YELLOW SHEET FOR CALCULATIONS AND SKETCHES

THIS REPORT IS FULL AND COMPLETE.

[signature] TOOLPUSHER

MAKE SURE ALL BLANKS ARE FILLED, AND CORRECT

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DIV. OF OIL, GAS & MINING

TRUE DRILLING LLC

DAILY DRILLING REPORT 4549

DRILLER MUST FILL IN EACH SPACE BELOW WHICH IS APPLICABLE TO WORK PERFORMED DURING HIS TOUR. TOTAL FUEL STORAGE 13150 USABLE FUEL 4105 used
DRILLER MUST MAKE COMPLETE REPORT OF ANY INJURY TO AN EMPLOYEE ON HIS TOUR. EACH EMPLOYEE MUST SIGN PAYROLL RECORD ON THIS REPORT SHOWING TIME WORKED.

DRILLER MUST Perform the Above Without Fail!

CUMULATIVE TIME FROM LAST REPORT: DRILLING _____ HOURS CORING _____ HOURS REAMING _____ HOURS

MORNING TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	DEPTH AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	PUMP S.P.M.	PUMP PRESS
1000	1100				RURT					
1100	1200				RURT					
1200	100				RURT				—	
100	200				RURT					
200	300				Nipple up BOP CLEAN					
300	400				Nipple up BOP					
400	500				Nipple up BOP					
500	600				Nipple up					

TOTAL WEIGHT OF DRILLING STRING _____ LBS.

PAYROLL RECORD	HRS.	INJURY
DRILLER Wade Upham	12	NO
DERRICKMAN Justin Noland	12	NO
MOTORMAN Ron Hankins	12	NO
FLOORMAN Mike Nuhus	12	NO
FLOORMAN Shane Nuhus	12	NO

BIT RECORD		MFG		TOTAL FTG.	
BIT NO.		SER #		TOTAL HRS.	
SIZE		JET SIZE		DULL	CUT. STRUC. I O D L B G O R
IADC CODE		DEPTH IN			
		DEPTH OUT			

KELLY _____ SIZE _____ NO. _____ FEET _____ DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT _____ TALLY BOARD _____ CORRECTION _____ PLUS MINUS FT.

LIST ALL ENGINES DATE LAST OIL CHANGE #1 72 #2 74 #3 72 LPi 20 LPs 70 DSD DST

DRILLING STRING AT END OF TOUR: COLLARS, STANDS, SINGLES, TOTAL, LESS KELLY UP, TOTAL DEPTH

MUD RECORD

TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND

DEVIATION DEGREES DEPTH

DRILLING TIME HOURS _____ CORING TIME HOURS _____ REAMING TIME HOURS _____

REMARKS:

S/m on Nipple-up forklift Hr: 965.2

DAY TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	DEPTH AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	PUMP S.P.M.	PUMP PRESS
600	700				Nipple Up					
700	800				Nipple Up					
800	900				Nipple Up					
900	1000				Nipple Up					
1000	1100				Nipple Up					
1100	1200				Test Kelly					
1200	100				Test BOPs					
100	200				Test BOPs					

TOTAL WEIGHT OF DRILLING STRING _____ LBS.

PAYROLL RECORD	HRS.	INJURY
DRILLER Rod Voth	12	NO
DERRICKMAN Jeff Stone	12	NO
MOTORMAN Rob Heller	12	NO
FLOORMAN John D. Supernor	12	NO
FLOORMAN James Manly	12	NO

BIT RECORD		MFG		TOTAL FTG.	
BIT NO.		SER #		TOTAL HRS.	
SIZE		JET SIZE		DULL	CUT. STRUC. I O D L B G O R
IADC CODE		DEPTH IN			
		DEPTH OUT			

KELLY _____ SIZE _____ NO. _____ FEET 40 DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT _____ TALLY BOARD _____ CORRECTION _____ PLUS MINUS FT.

LIST ALL ENGINES DATE LAST OIL CHANGE #1 94 #2 62 #3 62 LPi 32 LPs 70 DSD DST

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DRILLING STRING AT END OF TOUR				MUD RECORD	DEVIATION DEGREES DEPTH	DRILLING TIME HOURS	CORING TIME HOURS	REAMING TIME HOURS
COLLARS	6¾	15-DC's	487.07 BHA			REMARKS: Forklift Hrs. 872		
STANDS						received 7000 Gals. Fuel		
SINGLES								
TOTAL								
LESS KELLY UP								
TOTAL DEPTH						Held Safety Meeting On Nipple Up		

EVENING TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
2:00	3:00				Test BOP's + Casing					
2:00	4:00				Test Casing ½, Nipple Up					
4:00	5:00				Nipple Up					
5:00	6:00				Hook Up Choke Lines					
	7:00				Hook Up Choke Lines					
					" "					
					" "					
					Pick-up BHA					
					Pick-up BHA					
					TOTAL WEIGHT OF DRILLING STRING LBS.					

PAYROLL RECORD

	Name	HRS.	INJURY
DRILLER	Wade Johann	4	
DERRICKMAN	Justin Noland	4	
MOTORMAN	Ryan Hank	4	
FLOORMAN	Mike Nunus	4	
FLOORMAN	Shane Nunus	4	

BIT RECORD

BIT NO.	1	MFG	[illegible]
SIZE	7⅞	SER #	7111687
IADC CODE	FD	JET SIZE	6/16
		DEPTH IN	2037
		DEPTH OUT	

TOTAL FTG. 8
TOTAL HRS. 8
DULL: CUT. STRUC. I O D L B G O R

KELLY | SIZE | NO. | FEET | DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT | TALLY BOARD | CORRECTION PLUS MINUS FT. | LIST ALL ENGINES DATE LAST OIL CHANGE #1 #2 #3 LP1 LP2 DSD DST

DRILLING STRING AT END OF TOUR				MUD RECORD	DEVIATION DEGREES DEPTH	DRILLING TIME HOURS	CORING TIME HOURS	REAMING TIME HOURS
COLLARS	6¾	15 DC's	487.07	BHA		REMARKS:		
STANDS	4½							
SINGLES	4½							
TOTAL								
LESS KELLY UP								
TOTAL DEPTH						Slim on Pick up DP		

Company Slinger Operating LLC Field Natural Buttes Lease [illegible] Well No. [illegible] Sec. 30 Twp. 10S Range 24E County Uintah State Utah

Rig No. [illegible] This is 3 day on well, ______ day under surface, ______ day without a lost time accident. Cumulative Time: Drilling 8 hours Coring ______ hours Reaming ______ hours

Drilling Line: Make [illegible] No. Lines [illegible] T.M. since last cut ______ Total T.M. ______ Date [illegible] Aug [illegible], 2007

THIS REPORT IS FULL AND COMPLETE.

USE BACK OF YELLOW SHEET FOR CALCULATIONS AND SKETCHES

MAKE SURE ALL BLANKS ARE FILLED, AND CORRECT

______ TOOLPUSHER

TRUE DRILLING LLC

DAILY DRILLING REPOR
4548

DRILLER MUST FILL IN EACH SPACE BELOW WHICH IS APPLICABLE TO WORK PERFORMED DURING HIS TOUR. TOTAL FUEL STORAGE _____ USABLE FUEL _____
DRILLER MUST MAKE COMPLETE REPORT OF ANY INJURY TO AN EMPLOYEE ON HIS TOUR. EACH EMPLOYEE MUST SIGN PAYROLL RECORD ON THIS REPORT SHOWING TIME WORKED.

DRILLER MUST Perform the Above Without Fail!

CUMULATIVE TIME FROM LAST REPORT: DRILLING _____ HOURS CORING _____ HOURS REAMING _____ HOURS

MORNING TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	DEPTH AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	PUMP S.P.M.	PUMP PRESS
[illegible]	1300				Rig up					

KEEP REPORT CLEAN

TOTAL WEIGHT OF DRILLING STRING _____ LBS.

PAYROLL RECORD	HRS.	INJURY
DRILLER Rodney Volkman (Car-300)	7	[illegible]
DERRICKMAN Justin Nabors	7	[illegible]
MOTORMAN Ron Hamilton	7	[illegible]
FLOORMAN M K Nabors	7	[illegible]
FLOORMAN Shane Nabors	7	[illegible]

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MFG	
SER #	
JET SIZE	
DEPTH IN	
DEPTH OUT	

TOTAL FTG. _____
TOTAL HRS. _____
DULL | CUT. STRUC. I O D L B G O R

KELLY _____ SIZE _____ NO. _____ FEET _____

DRILLPIPE MEASURED (IN) (OUT OF) HOLE
CORRECT MEASUREMENT _____ TALLY BOARD _____ CORRECTION _____ PLUS _____ MINUS _____ FT.

LIST ALL ENGINES #1 _____ #2 _____ #3 _____ LP1 _____ LP2 _____ DSD _____ DST _____
DATE LAST OIL CHANGE _____

DRILLING STRING AT END OF TOUR: COLLARS _____ STANDS _____ SINGLES _____ TOTAL _____ LESS KELLY UP _____ TOTAL DEPTH _____

MUD RECORD

TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND

DEVIATION DEGREES DEPTH

DRILLING TIME _____ HOURS CORING TIME _____ HOURS REAMING TIME _____ HOURS

REMARKS:

DAY TOUR

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	DEPTH AMOUNT	FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	PUMP S.P.M.	PUMP PRESS
600	1900				Rig Up					

KEEP REPORT CLEAN

TOTAL WEIGHT OF DRILLING STRING _____ LBS.

PAYROLL RECORD	HRS.	INJURY
DRILLER Rod Volkman Car-300	13	RA NO
DERRICKMAN Jeff Stone	13	RA NO
MOTORMAN Rob Heller	13	RA NO
FLOORMAN John O. Superior	13	
FLOORMAN James Manly	13	

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MFG	
SER #	
JET SIZE	
DEPTH IN	
DEPTH OUT	

TOTAL FTG. _____
TOTAL HRS. _____
DULL | CUT. STRUC. I O D L B G O R

KELLY _____ SIZE _____ NO. _____ FEET _____

DRILLPIPE MEASURED (IN) (OUT OF) HOLE
CORRECT MEASUREMENT _____ TALLY BOARD _____ CORRECTION _____ PLUS _____ MINUS _____ FT.

LIST ALL ENGINES #1 70 #2 62 #3 62 (LP) 8 LP2 70 DSD _____ DST _____
DATE LAST OIL CHANGE _____

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DRILLING STRING AT END OF TOUR				MUD RECORD	DEGREES	DEPTH	DRILLING TIME HOURS	CORING TIME HOURS	REAMING TIME HOURS
COLLARS				TIME / WT. / VISC. / W.L. / CAKE / P.H. / SAND / PV / YP / MUD AND CHEMICALS ADDED: AMOUNT / KIND			REMARKS:		
STANDS									
SINGLES									
TOTAL									
LESS KELLY UP									
TOTAL DEPTH									

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	EVENING TOUR FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
600	1000				RURT					
1000	0200				Rig-up floor-Kelly					
0200	[illegible]				N. Uup				–	
					TOTAL WEIGHT OF DRILLING STRING LBS.					

KEEP REPORT CLEAN

PAYROLL RECORD		HRS.	INJURY
DRILLER	Wade Johnson	4	WJ
DERRICKMAN	Justin Woland	4	JW
MOTORMAN	Ryan Hawkinson	4	[illegible]
FLOORMAN	Mike N[illegible]	4	[illegible]
FLOORMAN	[illegible]	4	[illegible]

BIT RECORD			MFG			TOTAL FTG.	
BIT NO.			SER #			TOTAL HRS.	
SIZE			JET SIZE			DULL: CUT. STRUC. I / O / D / L	
IADC CODE			DEPTH IN			B / G / O / R	
			DEPTH OUT				

KELLY	SIZE	NO.	FEET	DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT	TALLY BOARD	CORRECTION PLUS MINUS FT.	LIST ALL ENGINES / DATE LAST OIL CHANGE	#1 74	#2 66	#3 [illegible]	LP1 [illegible]	LP2 70	DSD	DST

DRILLING STRING AT END OF TOUR				MUD RECORD	DEVIATION DEGREES	DEPTH	DRILLING TIME HOURS	CORING TIME HOURS	REAMING TIME HOURS
COLLARS				TIME / WT. / VISC. / W.L. / CAKE / P.H. / SAND / PV / YP / MUD AND CHEMICALS ADDED: AMOUNT / KIND			REMARKS:		
STANDS									
SINGLES									
TOTAL									
LESS KELLY UP									
TOTAL DEPTH									

Company Summit Operating LLC. Field Natural Buttes Lease UTU66421 Well No. Fed #34-30 Sec. 30 Twp. 10S Range 24E County Uintah State Utah

Rig No. 22 This is 2nd day on well, ______ day under surface, ______ day without a lost time accident. Cumulative Time: Drilling ______ hours Coring ______ hours Reaming ______ hours

Drilling Line: Make WRI No. Lines 10 T.M. since last cut ______ Total T.M. ______ Date Aug. 19th, 2007

THIS REPORT IS FULL AND COMPLETE.

USE BACK OF YELLOW SHEET FOR CALCULATIONS AND SKETCHES

MAKE SURE ALL BLANKS ARE FILLED, AND CORRECT

______ TOOLPUSHER

TRUE DRILLING LLC — DAILY DRILLING REPORT 4248

TRUE DRILLING LLC

DAILY DRILLING REPORT 4547

DRILLER MUST FILL IN EACH SPACE BELOW WHICH IS APPLICABLE TO WORK PERFORMED DURING HIS TOUR. TOTAL FUEL STORAGE _____ USABLE FUEL _____
DRILLER MUST MAKE COMPLETE REPORT OF ANY INJURY TO AN EMPLOYEE ON HIS TOUR. EACH EMPLOYEE MUST SIGN PAYROLL RECORD ON THIS REPORT SHOWING TIME WORKED.

DRILLER MUST Perform the Above Without Fail!

CUMULATIVE TIME FROM LAST REPORT: DRILLING _____ HOURS CORING _____ HOURS REAMING _____ HOURS

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	DEPTH AMOUNT	MORNING TOUR FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	PUMP S.P.M.	PUMP PRESS
7:00	7:00				MADE 4 RIG UP w/TRUCKS					

PAYROLL RECORD	HRS.	INJURY
DRILLER C.D. LASTER (CAR 450)	12	R.D.M.
DERRICKMAN RUBEN SANCHEZ	12	D.M.O.
MOTORMAN GREG ECKERT	12	D.N.D.
FLOORMAN BYRON LATHAM	12	B.L.N.D.
FLOORMAN MICHAEL TOLLIET	12	M.T.N.D.

KEEP REPORT CLEAN

BIT RECORD			
	MFG		TOTAL FTG.
BIT NO.	SER #		TOTAL HRS.
SIZE	JET SIZE		DULL CUT. STRUC. I O D L B G O R
IADC CODE	DEPTH IN		
	DEPTH OUT		

TOTAL WEIGHT OF DRILLING STRING _____ LBS.

	SIZE	NO.	FEET
KELLY			
COLLARS			
STANDS			
SINGLES			
TOTAL			
LESS KELLY UP			
TOTAL DEPTH			

DRILLING STRING AT END OF TOUR

DRILLPIPE MEASURED (IN) (OUT OF) HOLE
CORRECT MEASUREMENT _____ TALLY BOARD _____ CORRECTION _____ PLUS MINUS _____ FT.

LIST ALL ENGINES #1 #2 #3 LP1 LP2 DSD DST
DATE LAST OIL CHANGE 6/ 6/ 6/ 0 8/

MUD RECORD

TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND

DEVIATION DEGREES DEPTH

DRILLING TIME _____ HOURS CORING TIME _____ HOURS REAMING TIME _____ HOURS

REMARKS:

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	DEPTH AMOUNT	DAY TOUR FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	PUMP S.P.M.	PUMP PRESS
7:00	7:00				MADE 4 RIG UP					

PAYROLL RECORD	HRS.	INJURY
DRILLER TOMMY BROWN (TRAINEE)	12	T.R.A.M.
DERRICKMAN David Webster	12	D.W.W.D.
MOTORMAN Roger Crain	12	R.C.A.D.
FLOORMAN JAMES (CAUTY)	12	J.C.N.D.
FLOORMAN SHAWN SMITH	12	S.S.N.D.

KEEP REPORT CLEAN

BIT RECORD			
	MFG		TOTAL FTG.
BIT NO.	SER #		TOTAL HRS.
SIZE	JET SIZE		DULL CUT. STRUC. I O D L B G O R
IADC CODE	DEPTH IN		
	DEPTH OUT		

TOTAL WEIGHT OF DRILLING STRING _____ LBS.

	SIZE	NO.	FEET
KELLY			

DRILLPIPE MEASURED (IN) (OUT OF) HOLE
CORRECT MEASUREMENT _____ TALLY BOARD _____ CORRECTION _____ PLUS MINUS _____ FT.

LIST ALL ENGINES #1 #2 #3 LP1 LP2 DSD DST
DATE LAST OIL CHANGE

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DRILLING STRING AT END OF TOUR				MUD RECORD											DEVIATION DEGREES	DEPTH	DRILLING TIME HOURS	CORING TIME HOURS	REAMING TIME HOURS
COLLARS																	REMARKS:		
STANDS				TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND					
SINGLES																			
TOTAL																			
LESS KELLY UP																			
TOTAL DEPTH																			

TIME FROM	TIME TO	DEPTH FROM	DEPTH TO	AMOUNT	EVENING TOUR FORMATION AND DESCRIPTION OF WORK DONE	WT. IN 1000#	RPM	PUMP LINERS	S.P.M.	PRESS
7:00	7:00				Move & Rig up					
										—
					TOTAL WEIGHT OF DRILLING STRING LBS.					

KEEP REPORT CLEAN

PAYROLL RECORD		HRS.	INJURY
DRILLER			
DERRICKMAN	Justin Noland	12	JN NO
MOTORMAN	R[illegible] Hawkins	12	RH NO
FLOORMAN	Mike T[illegible]	12	MH NO
FLOORMAN	Shane Nykes	12	SN NO
	John D [illegible]	12	JDS NO

BIT RECORD			MFG			TOTAL FTG.		
BIT NO.			SER #			TOTAL HRS.		
SIZE			JET SIZE			DULL CUT. STRUC. I O D L		
IADC CODE			DEPTH IN			B G O R		
			DEPTH OUT					

KELLY	SIZE	NO.	FEET	DRILLPIPE MEASURED (IN) (OUT OF) HOLE CORRECT MEASUREMENT	TALLY BOARD	CORRECTION	PLUS MINUS	FT.	LIST ALL ENGINES DATE LAST OIL CHANGE	#1	#2	#3	LP1	LP2	DSD	DST

DRILLING STRING AT END OF TOUR				MUD RECORD											DEVIATION DEGREES	DEPTH	DRILLING TIME HOURS	CORING TIME HOURS	REAMING TIME HOURS
COLLARS																	REMARKS:		
STANDS				TIME	WT.	VISC.	W.L.	CAKE	P.H.	SAND	PV	YP	MUD AND CHEMICALS ADDED AMOUNT	KIND					
SINGLES																			
TOTAL																			
LESS KELLY UP																			
TOTAL DEPTH																			

Company Summit Operating LLC Field Natural Buttes Lease UTU 68421 Fed H34-30 Well No. Fed H34-30 Sec 30 Twp 10S Range 24E County Uintah State Utah

Rig No. 22. This is 1 day on well, ______ day under surface, ______ day without a lost time accident. Cumulative Time: Drilling ______ hours Coring ____ hours Reaming ____ hours

Drilling Line: Make WRI No. Lines 10 T.M. since last cut ______ Total T.M. ______ Date SAT 9-15, 2007

THIS REPORT IS FULL AND COMPLETE.

Tom Allen TOOLPUSHER

USE BACK OF YELLOW SHEET FOR CALCULATIONS AND SKETCHES

MAKE SURE ALL BLANKS ARE FILLED, AND CORRECT

From: "Kristi Higgs" <kristi@summitcorp.net>
To: <dianawhitney@utah.gov>
Date: 9/23/2008 8:51 AM
Subject: Federal H 34-30 Well

Hi Diana, 10S 24E 30

The Federal H 34-30 well, API # 43-047-38883, operated by Summit Operating, LLC is located on the Federal lease # UTU-66421. The Lease that is currently on record (UTU-77658) is the right-of-way lease for the gas pipeline to the Federal 34-30 well, so the lease needs to be changed to the UTU-66421 lease, as this is the lease that the well is actually on. Thanks for your help.

Kristi Higgs

Operations

Summit Operating, LLC

435-940-9001

kristi@summitcorp.net

RECEIVED

JUL 18 2013

DIV. OF OIL, GAS & MINING

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5. Lease Serial No.
UTU-66421

6. If Indian, Allottee or Tribe Name
NA

7. If Unit of CA/Agreement, Name and/or No.
NA

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No.
FED H 34-30

2. Name of Operator
Summit Operating, LLC

9. API Well No.
43-047-38883

3a. Address
1245 Brickyard Road, Suite 210
Salt Lake City, UT 84106

3b. Phone No. *(include area code)*
435-940-9001

10. Field and Pool or Exploratory Area
Natural Buttes

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
SWSE, Sec. 30, T10S, R24E, SLM
602' FSL, 2088' FEL

11. Country or Parish, State
Uintah, Utah

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☑ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Summit Operating, LLC is requesting permission to recomplete this well in the Wasatch formation, work includes perforating and stimulating a zone from 4488' - 4544'. After recompletion, comingling the resulting production with existing production in the Mesa Verde Formation is requested. A detailed recompletion procedure is attached.

Note that the Composite Frac Plug (CFP) being used to isolate the depleted Mesa Verde from the higher pressure Wasatch will allow flow up from the Mesa Verde but not flow down from the Wasatch to the Mesa Verde. Plans are to remove the CFP after pressures in the two formations equalize for unrestricted comingled flow.

REQUEST DENIED
Utah Division of
Oil, Gas and Mining
Date: 7/22/2013
By:

* insufficient information provided to be able to approve request see requirements of R649-3-22. Future submittals should be submitted via the epermit system.

COPY SENT TO OPERATOR
Date: 7.29.2013
Initials: KS

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
Crystal Hammer

Title Geology Technician

Signature

Date 07/16/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED
JUL 18 2013
DIV. OF OIL, GAS & MINING

Summit Operating, LLC
Recompletion Procedure

Federal H 34-30

Natural Buttes Field

Purpose: Recomplete in Wasatch.

PERTINENT INFORMATION

Location: 602' FSL, 2088' FEL (SWSE)
Section 30, Township 10 South, Range 24 East
Uintah County, Utah

Elevation: 5312' GL, 5327' KB

TD: 7211'

PBTD: 6390' (CBP)

API No.: 43-047-38883

Casing: 9-5/8", 36.0#, J-55, ST&C @ 2032', cemented to surface
4-1/2", 11.6#, I-80, LT&C @ 7211', cemented with 130 Bbls H-Fill and 230 Bbls Poz-Prem

Wellhead: Tubing Head Flange – 11" 5M x 7-1/16" 5M, 2-3/8" 8rd top thread on hanger

Tubing: 5855' of 2-3/8", 4.7#, J-55, EUE, 8rd

Production Casing Specs: 4-1/2", 11.6#, I-80, LT&C, 8rd, ID: 4.000" Drift: 3.875"
Collapse: 6350 psi Burst: 7780 psi (70% 5446 psi)

Tubing Specs: 2-3/8", 4.7#, J-55?, EUE, 8rd, ID: 1.995" Drift: 1.901"
Collapse: 11,780 psi Burst: 11,200 psi (80% 8960 psi)
Joint: 104,000 lbs (70% 72,800 lbs)

Capacities:			
	4-1/2", 11.6#:	0.0155 Bbls/ft	0.0873 ft^3/ft
	2-3/8", 4.7#	0.00387 Bbls/ft	0.0217 ft^3/ft
	4-1/2" x 2-3/8"	0.0101 Bbls/ft	0.0565 ft^3/ft

BH Temperature: 135 °F @ 4500'

Current Mesa Verde Completion Interval: 5898' – 6202'

Proposed Wasatch Formation Completion Interval: 4488' – 4544'

Proposed New Perforations:
4488' – 4499', 11', 33 holes
4526' – 4538' and 4540' – 4544', 16', 48 holes

Perforation Depths are referenced to Halliburton SDL-DSN-GR dated 08/26/07.

PROCEDURE

1. Check dead men and prepare location for workover. Spot a clean 500 Bbl tank and partially fill it with 250 Bbls of 2% KCl water. Mix 5.25 gallons (250 ppm) Baker Petrolite XC102W biocide, 1.25 gallons (60 ppm) OSW5200 Oxygen Scavenger, and 21 gallons (1000 ppm) Baker Petrolite WAW 3003 non-ionic surfactant to the tank and use fluid from this tank for kill fluid. Equivalent chemical from other sources can be substituted.
2. MIRUSU. Catch plunger at surface. Reverse circulate kill fluid, disconnect flow lines, ND wellhead, and NU BOP.
3. POOH with tubing.
4. PU tubing as needed and round trip a 3-7/8" bit and 4-1/2" (11.6#) casing scraper to CBP at 6390'.

Note: If hydraulic fracturing service is not scheduled to avoid service rig waiting time, lay down tubing and RDMO service unit. Wireline and fracture stimulation service will be done without rig and service rig will be moved in to rerun tubing. Decision whether to leave BOP on well or replace it with frac valve will be made based on pumping and rig service timing.

5. Spot three more clean 500 Bbl tanks and fill all three frac tanks with fresh water. Mix biocide recommended by selected hydraulic fracturing service company in all three tanks. Install an anchored 2" flowback line with choke from the casing to one of the three frac tanks.
6. RU wireline service. Run and wireline set a 4-1/2" (11.6#) composite frac plug (CFP) at 5875'. Perforate the intervals at 4488' – 4499' (11'), 4526' – 4538' (12') and 4540' – 4544' (4') with 0.5" diameter holes using 3-1/8" hollow carriers loaded 3 SPF on 120° phasing and 19 gram charges. RD and release wireline unit.
7. RU pumping service to fracture stimulate the Wasatch interval at 4488' – 4544' as follows:

   Materials: 1500 Bbls of fresh water at 90 °F
   90,000 lbs 20/40 mesh sand
   Fluid additives per Service Company recommendation

   Use hot oiler or super heater to heat water in all three tanks to 90 °F. Install wellhead isolation tool (if needed) and pump fracture stimulation as follows with a maximum pressure of 5000 psi and maximum rate of 30 BPM:

   a. Initiate injection and ramp rate up to 30 BPM while pumping 2500 gallons of linear gel. Shut down and record ISIP.
   b. Pump 11000 gallons pad fluid.
   c. Pump 6850 gallons of fluid with 1 ppg sand.
   d. Pump 6850 gallons of fluid with 2 ppg sand.
   e. Pump 6000 gallons of fluid with 3 ppg sand.
   f. Pump 9000 gallons of fluid with 4 ppg sand.
   g. Pump 3150 gallons of fluid with 5 ppg sand.
   h. Pump 2920 gallons of flush.
   i. Shut down and record ISI, 5, 10, and 15 minute pressures.
8. Remove wellhead isolation tool. Start controlled flow back at less than 1.0 BPM to bleed back pressure.
9. RD and release service company.
10. Continue to flow well for cleanup until well dies or it is capable of flowing gas at commercial rates.
11. Kill well as needed to install BOP and start running tubing.

12. With stripping rubber in place, RIH with a 2-3/8" pump-out plug (w/ aluminum plug), one joint of 2-3/8" tubing, 2-3/8" x 1.875" ID X-nipple, and 2-3/8" tubing. Land tubing at ~4480'.
13. ND BOP and NU wellhead.
14. Use rig pump to pressure tubing and shear the pump-out plug.
15. RU and swab tubing as necessary to initiate flow. Turn well to production.
16. RDMO service unit.

Sundry Number: 41608 API Well Number: 43047388830000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU-77658

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
FEDERAL H 34-30

2. NAME OF OPERATOR:
SUMMIT OPERATING, LLC

9. API NUMBER:
43047388830000

3. ADDRESS OF OPERATOR:
1245 Brickyard Road, Suite 210 , Salt Lake City, UT, 84106

PHONE NUMBER:
435 940-9001 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0602 FSL 2088 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWSE Section: 30 Township: 10.0S Range: 24.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 8/30/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Summit Operating, LLC is requesting permission to recomplete this well in the Wasatch formation, work includes perforating and stimulating a zone from 4488' - 4544'. After recompletion, comingling the resulting production with existing production in the Mesa Verde Formation is requested. A detailed recompletion procedure, lease plat showing contiguous leases, and an affidavit attesting to the notification of all contiguous lease holders is attached. Note that the Composite Frac Plug (CFP) being used to isolate the depleted Mesa Verde from the higher pressure Wasatch will allow flow up from the Mesa Verde but not flow down from the Wasatch to the Mesa Verde. Plans are to remove the CFP after pressures in the two formations equalize for unrestricted comingled flow.

Accepted by the Utah Division of Oil, Gas and Mining

Date: September 19, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Crystal Hammer	435 940-9001	Geo Tech
SIGNATURE		**DATE**
N/A		8/21/2013

RECEIVED: Aug. 21, 2013

Summit Operating, LLC
Recompletion Procedure

Federal H 34-30

Natural Buttes Field

Purpose: Recomplete in Wasatch.

PERTINENT INFORMATION

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RECEIVED: Aug. 21, 2013

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3. POOH with tubing.

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   g. Pump 3150 gallons of fluid with 5 ppg sand.
   h. Pump 2920 gallons of flush.
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8. Remove wellhead isolation tool. Start controlled flow back at less than 1.0 BPM to bleed back pressure.

9. RD and release service company.

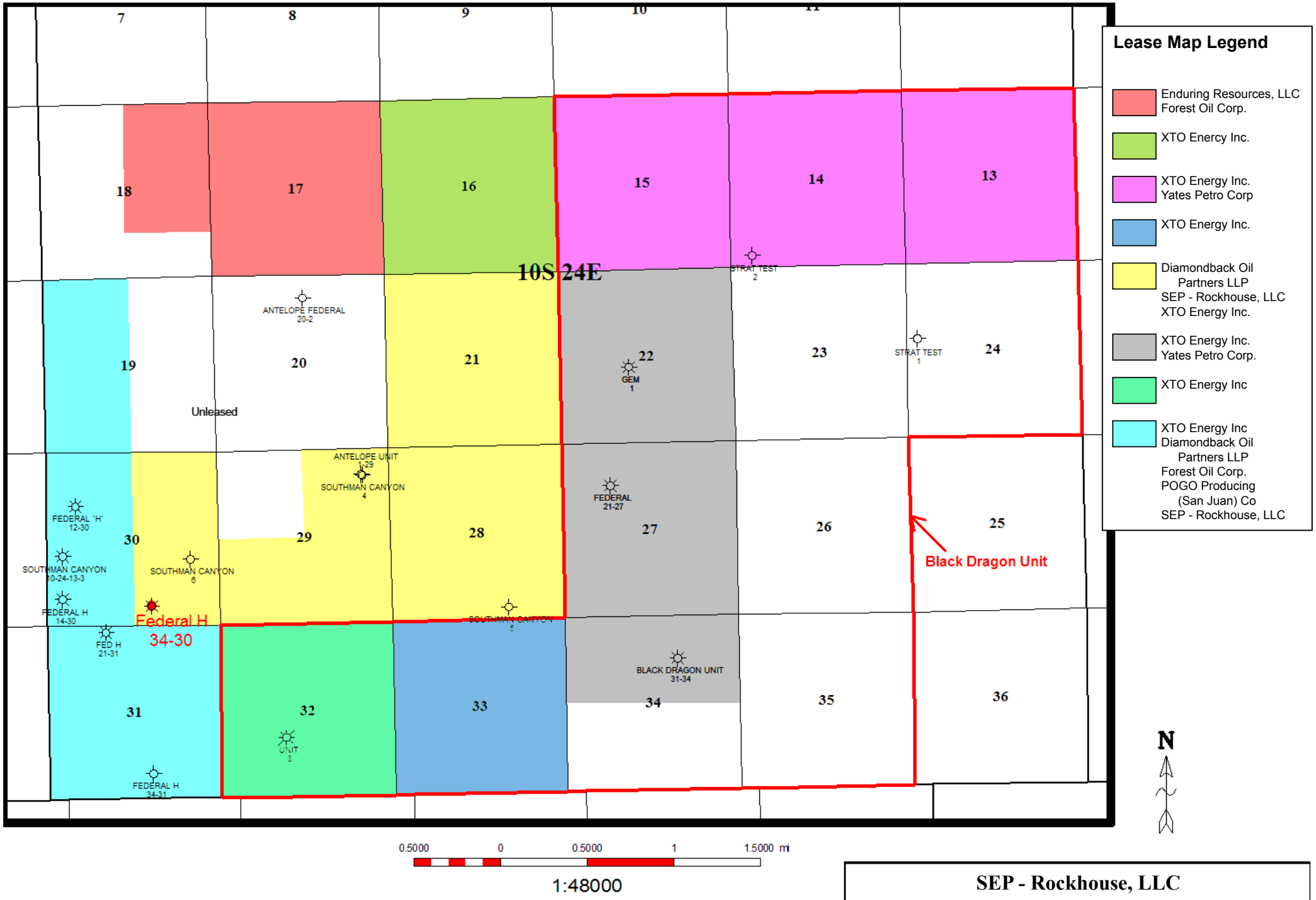
10. Continue to flow well for cleanup until well dies or it is capable of flowing gas at commercial rates.

11. Kill well as needed to install BOP and start running tubing.

RECEIVED: Aug. 21, 2013

12. With stripping rubber in place, RIH with a 2-3/8" pump-out plug (w/ aluminum plug), one joint of 2-3/8" tubing, 2-3/8" x 1.875" ID X-nipple, and 2-3/8" tubing. Land tubing at ~4480'.
13. ND BOP and NU wellhead.
14. Use rig pump to pressure tubing and shear the pump-out plug.
15. RU and swab tubing as necessary to initiate flow. Turn well to production.
16. RDMO service unit.

RECEIVED: Aug. 21, 2013



SEP - Rockhouse, LLC		
Federal H 34-30 Uintah County, Utah		
Author: Crystal Hammer	**Scale:** 1:48000	**Date:** 14 August, 2013

RECEIVED: Aug. 21, 2013

AFFIDAVIT

STATE OF UTAH }
}ss
County of Salt Lake }

COMES NOW, Crystal Hammer, (hereinafter referred to as "Affiant"), on behalf of Summit Operating, LLC (hereinafter referred to as "Summit"), whose address is 1245 E. Brickyard Drive, #210, Salt Lake City, Utah, 84106, the current Operator of the Federal H 34-30 well located in SW ¼ SE ¼, Section 30, Township 10 South, Range 24 East, SLM, Uintah County, Utah (hereinafter referred to as the "Well"), being first duly sworn upon oath, affirms, deposes and says the following:

1. Affiant is a citizen of the United States of America and is over 21 years of age;
2. Affiant, or persons under the direction and control of Affiant, on behalf of the Summit has prepared and submitted, or is submitting an application to commingle production from the Wasatch formation with production from the Mesa Verde formation in the Well (hereinafter referred to as the "Application");
3. Those persons and entities listed on Exhibit A represent all of the owners of the contiguous oil and gas leases or drilling units overlying the pool as described in the Application;
4. Affiant, or persons under the direction and control of the Affiant, has caused a copy of the Application to be mailed by certified United States Mail, postage prepaid, return receipt requested, to each of the parties listed on Exhibit A;

Further the Affiant sayeth not.

Dated: August 21st, 2013

Crystal Hammer, Affiant

JURAT

Subscribed to and sworn before me this 21st day of August, 2013.

NOTARY PUBLIC 607525
LARRY R. WILLIAMS
COMMISSION EXPIRES 2/17/2015
STATE OF UTAH

Notary Public

Notices Mailed to the Following:

Enduring Resources II LLC
511 16th St. Ste 700
Denver, CO 80202

Forest Oil Corp
707 17th St. #3600
Denver, CO 80202

XTO Energy Inc.
810 Houston St. #200
Fort Worth, TX 76102

Yates Petro Corp
105 S. Fourth St.
Artesia, NM 88210

Enduring Resources LLC
511 16th St. Ste 700
Denver, CO 80202

Diamondback Oil Partners LLP
5990 Kipling Pkwy #201
Arvada, CO 80004

POGO Producing (San Juan) Co
PO Box 10340
Midland, TX 79702

SEP – Rockhouse, LLC
1245 Brickyard Rd., Ste 210
Salt Lake City, UT 84106

Asphalt Wash : UTU-65371
T10S-R24E Sec. 19: W/2, Sec. 30: All, Sec. 31: All
CONTIGUOUS LEASES

Description	Lease #	Lessor	Lessee(s)/WI OWNERS	Address 1	Address 2	UNIT INFO
T10S-R23E						
Sec. 24: E/2NE, NWNE	UTU-75109	USA	YATES PETRO CORP	105 S. FOURTH ST.	ARTESIA, NM 88210	
Sec. 24: W/2, SE/4, SWNE	UNLEASED	USA				
Sec. 25: ALL	UNLEASED	USA				
Sec. 36: ALL	UNLEASED	USA				
T11S-R23E						
Sec. 1: N/2N/2	UNLEASED	USA				
T10S-R24E						
Sec. 18: W/2, S/2SE	UTU-75121	USA	XTO ENERGY INC	810 HOUSTON ST #200	FORT WORTH, TX 76102	
Sec. 19: E/2	UNLEASED	USA				
Sec. 30: E/2	UTU-66421	USA	DIAMONDBACK OIL PARTNERS, LLP	5990 KIPLING PKWY #201	ARVADA, CO 80004	
			SEP - ROCKHOUSE, LLC	1245 BRICKYARD RD., STE 210	SALT LAKE CITY, UT 84106	
			XTO ENERGY INC.	810 HOUSTON ST #200	FORT WORTH, TX 76102	
Sec. 32: ALL	UTU-73701	USA	XTO ENERGY INC.	810 HOUSTON ST #200	FORT WORTH, TX 76102	
	UTU-76780X	USA	ENDURING RESOURCES LLC	511 16TH ST. STE 700	DENVER, CO 80202	BLACK DRAGON UNIT
T11S-R24E						
Sec. 6: Lots 1-5, 7-9 S/2NE, SENW	UTU-73919	USA	ENDURING RESOURCES II LLC	511 16TH ST., STE 700	DENVER, CO 80202	
	UTU-84718X	USA	ENDURING RESOURCES LLC	511 16TH ST., STE 700	DENVER, CO 80202	ASPHALT UNIT

API Well Number: 43047388830000

Form 3160-4
(August 2007)

Print Reset

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECOMPLETION

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU-66421

1a. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☑ Work Over ☐ Deepen ☐ Plug Back ☑ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name: NA

7. Unit or CA Agreement Name and No.: NA

2. Name of Operator: Summit Operating, LLC

8. Lease Name and Well No.: Federal H 34-30

3. Address: 1245 E. Brickyard Rd. Ste 210, Salt Lake City, UT 84106

3a. Phone No. *(include area code)*: 435-940-9001

9. API Well No.: 43-047-38883

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: SWSE Sec. 30, T10S, R24E, 602' FSL, 2088' FEL

10. Field and Pool or Exploratory: Natural Buttes, Wasatch

11. Sec., T., R., M., on Block and Survey or Area: Sec. 30, T.10 S, R. 24 E, SWSE

At top prod. interval reported below: same

At total depth: same

12. County or Parish: Uintah

13. State: UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
		01/28/2014 ☐ D & A ☑ Ready to Prod.	5312' GL, 5327' KB

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD TVD	MD 6307' (KB) TVD 6307' (KB)	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☑ No ☐ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	4471' (KB)							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wasatch	4488' (KB)	4544' (KB)	4488' - 4544' (KB)	0.4"	108	open and producing
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4488' - 4544'	Frac'd w/ 1171 Bbls of x-linked guar gelled water and 92,000 lbs of 20/40 mesh sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/24/13	1/28/14	24	→	NA	805	24	NA		Flowing Gas Well

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
32/64"	149	227	→	NA	805	24	NA	Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

RECEIVED: Mar. 07, 2014

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*
Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Ellis Peterson Title Senior Petroleum Engineer

Signature _____ Date 02/10/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

RECEIVED: Mar. 07, 2014

INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wells on Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.
ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal office for specific instructions.
ITEM 17: Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
ITEM 23: Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48 (d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. et seq.; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.
ROUTINE USES: (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.
EFFECT OF NOT PROVIDING INFORMATION: Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.
This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.
Response to this request is mandatory only if the operator elects to initiate drilling and completing/recompleting operations on an oil and gas lease.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

RECEIVED: Mar. 07, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-77658

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
FEDERAL H 34-30

2. NAME OF OPERATOR:
SUMMIT OPERATING, LLC

9. API NUMBER:
43047388830000

3. ADDRESS OF OPERATOR:
1245 Brickyard Road, Suite 210 , Salt Lake City, UT, 84106

PHONE NUMBER:
435 940-9001 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0602 FSL 2088 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWSE Section: 30 Township: 10.0S Range: 24.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 1/28/2014	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☑ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☑ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Pulled tubing and tripped a bit and casing scraper. Tagged fill tagged at 6307'. Existing completion in the Mesa Verde at 5898'- 5930' was isolated below a composite frac plug set at 5875' and the Wasatch was perforated at 4526'- 4538', 4540'- 4544', and 4488'- 4499' with 4 spf. Static pressure survey measured 2283.6 psi and 134.4 F at 4500'. The perforations at 4488'- 4544' were fracture stimulated using 1171 Bbls of cross-linked guar gel and 92,000 lbs of 20/40 mesh sand. Well produced temporarily to sales flowing up casing before tubing was installed. Ran 2-3/8" tubing and tagged sand fill above composite frac plug at 5636'. Did not circulate sand out. Set end of tubing at 4471' and returned well to production from the Wasatch Formation. Well completed on 1/28/2014 with 24-hour rate of 805 MCF, 0 BOPD, and 24 BWPD flowing with 149 psi TP and 227 psi CP without choke.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 10, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Ellis Peterson	435 940-9001	Sr Petroleum Engineer
SIGNATURE		**DATE**
N/A		2/10/2014

Print Reset

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU-66421

1a. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☑ Work Over ☐ Deepen ☐ Plug Back ☑ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name: NA

7. Unit or CA Agreement Name and No.: NA

2. Name of Operator: Summit Operating, LLC

8. Lease Name and Well No.: Federal H 34-30

3. Address: 1245 E. Brickyard Rd. Ste 210, Salt Lake City, UT 84106

3a. Phone No. *(include area code)*: 435-940-9001

9. API Well No.: 43-047-38883

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: SWSE Sec. 30, T10S, R24E, 602' FSL, 2088' FEL

10. Field and Pool or Exploratory: Natural Buttes, Wasatch

11. Sec., T., R., M., on Block and Survey or Area: Sec. 30, T.10 S, R. 24 E, SWSE

At top prod. interval reported below: same

At total depth: same

12. County or Parish: Uintah

13. State: UT

14. Date Spudded

15. Date T.D. Reached

16. Date Completed: 01/28/2014 ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: 5312' GL, 5327' KB

18. Total Depth: MD / TVD

19. Plug Back T.D.: MD 6307' (KB) / TVD 6307' (KB)

20. Depth Bridge Plug Set: MD / TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☑ No ☐ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	4471' (KB)							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wasatch	4488' (KB)	4544' (KB)	4488' - 4544' (KB)	0.4"	108	open and producing
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4488' - 4544'	Frac'd w/ 1171 Bbls of x-linked guar gelled water and 92,000 lbs of 20/40 mesh sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/24/13	1/28/14	24	→	NA	805	24	NA		Flowing Gas Well

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
32/64"	149	227	→	NA	805	24	NA	Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

RECEIVED: Mar. 03, 2014

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*
Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Ellis Peterson Title Senior Petroleum Engineer

Signature _____ Date 02/10/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

RECEIVED: Mar. 03, 2014

INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wells on Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.
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ITEM 17: Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
ITEM 23: Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48 (d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. et seq.; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.
ROUTINE USES: (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.
EFFECT OF NOT PROVIDING INFORMATION: Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.
This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.
Response to this request is mandatory only if the operator elects to initiate drilling and completing/recompleting operations on an oil and gas lease.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

RECEIVED: Mar. 03, 2014

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-77658

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
FEDERAL H 34-30

2. NAME OF OPERATOR:
SUMMIT OPERATING, LLC

9. API NUMBER:
43047388830000

3. ADDRESS OF OPERATOR:
531 East 770 North , Orem, UT, 84097

PHONE NUMBER:
801-657-5780 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0602 FSL 2088 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWSE Section: 30 Township: 10.0S Range: 24.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 12/1/2016	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	✓ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

See Attached.

Approved by the
Utah Division of
Oil, Gas and Mining
October 17, 2016

Date:

By: Dark Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Ellis Peterson	801 657-5780	Sr Petroleum Engineer
SIGNATURE		**DATE**
N/A		9/27/2016

RECEIVED: Sep. 27, 2016

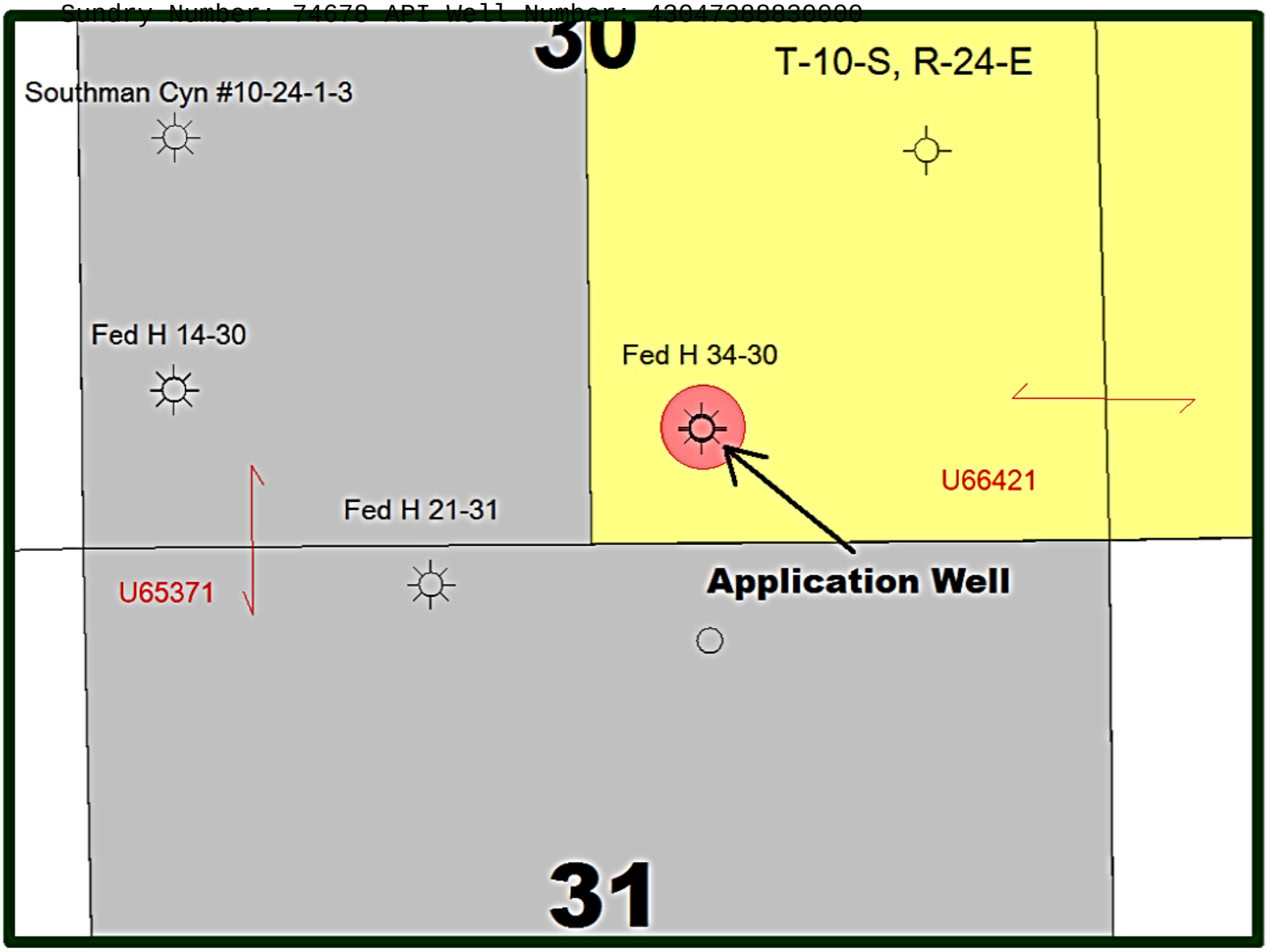
Summit Operating, LLC
Federal H 34-30
API 43-047-38883

Comingle Request Description

In order to prevent waste of natural gas; to protect the correlative rights of all parties concerned; to prevent the drilling of un-necessary wells; and to insure proper and efficient recovery and promote conservation of the natural gas resources of the State of Utah, Summit Operating, LLC respectfully requests approval to commingle production from the Wasatch and Mesaverde formation “pools” in the same well bore.

1. Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on the proportionate production volumes from each pool during the last full month each pool produced individually under stable conditions.
2. Both formations shall be commingled in the well bore and produced concurrently through a single string of 2-3/8” production tubing.
3. Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units.
4. Also attached is an affidavit confirming that this application has been provided to leasehold owners in contiguous oil and gas leases or production pools overlying the “pool”

RECEIVED: Sep. 27, 2016



Summit Operating LLC

Asphalt Wash Gas Field

Uintah County, Utah

Commingling Application For: Fed H 34-30

AFFIDAVIT OF MAILING

STATE OF UTAH }
} ss.
County of Utah }

COMES NOW, Larry R. Williams, (hereinafter referred to as "Affiant"), being first duly sworn upon oath and deposes and says the following:

1. Affiant is a citizen of the United States of America, is over 21 years of age, currently resides in Salt Lake County, Utah, is the Land Manager and Corporate Counsel for Summit Operating, LLC (hereafter referred to as "Summit") and has personal knowledge of the facts set forth herein;

2. Summit is the Operator of the Fed H 34-30 Well which is located in the Southwest Quarter of the Southeast Quarter of Section 30, Township 10 South, Range 24 East, Uintah County, Utah.

3. Exhibit A, which is attached hereto and made a part hereof, is a map showing the location of wells located on contiguous oil and gas leases and/or drilling units in relation to the Fed H 34-30 Well. A search of the applicable records has revealed that the parties listed on Exhibit B, which is attached hereto and made a part hereof, are the only interest owners of the contiguous oil and gas leases, or the contiguous drilling units overlying the pool.

4. On September 27, 2016 Affiant mailed, or caused to be mailed, in the U.S. Mail, with postage prepaid, a copy of the attached Application for Commingling two or more pools (formations) in one well bore of the well described in Paragraph 2 above which is has been or is being filed with the State of Utah Division of Oil, Gas and Mining to each of the owners listed on Exhibit B.

Further the Affiant sayeth not.

Dated: September 27, 2016

Larry R. Williams, Affiant

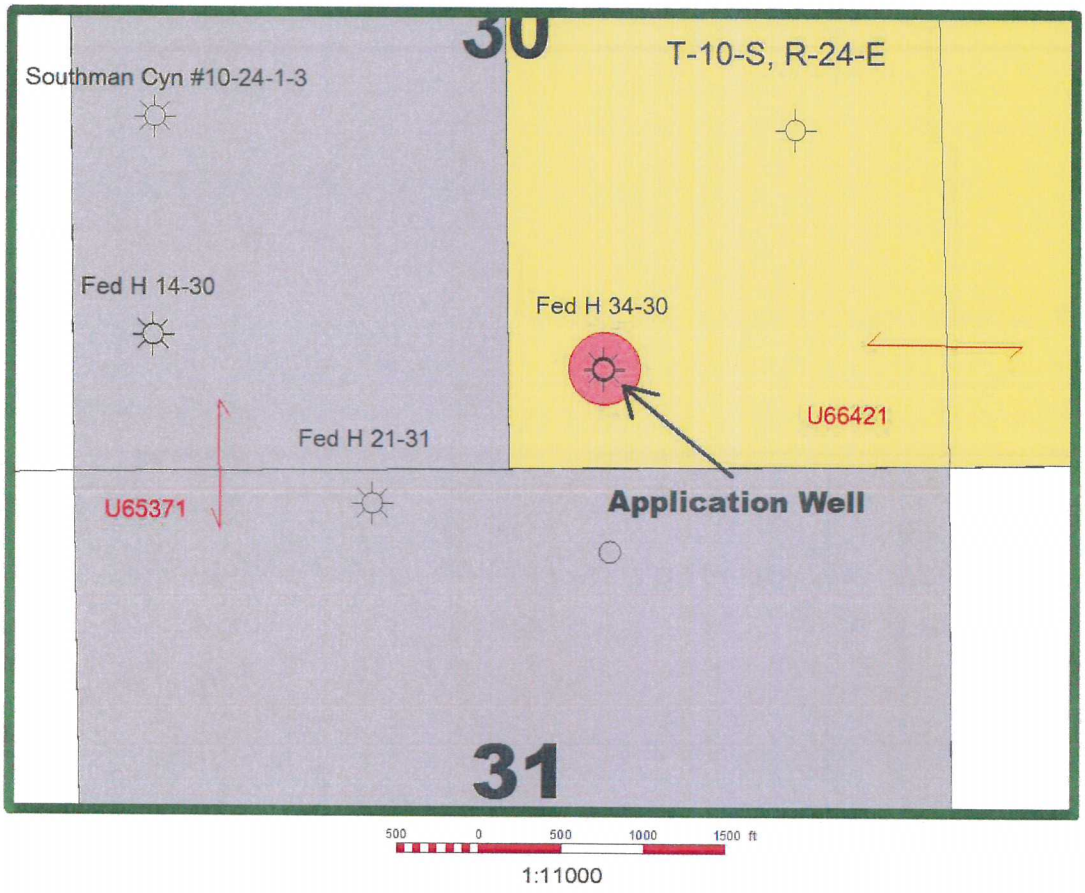
JURAT

Subscribed to and sworn before me this 27th day of September, 2016.

KRISTI HIGGS
Notary Public, State of Utah
Commission # 685539
My Commission Expires
October 24, 2019

Notary Public

EXHIBIT A



Summit Operating LLC

Asphalt Wash Gas Field

Uintah County, Utah

Commingling Application For: Fed H 34-30

EXHIBIT B

CONTIGUOUS LEASE OR DRILLING UNIT OWNERS

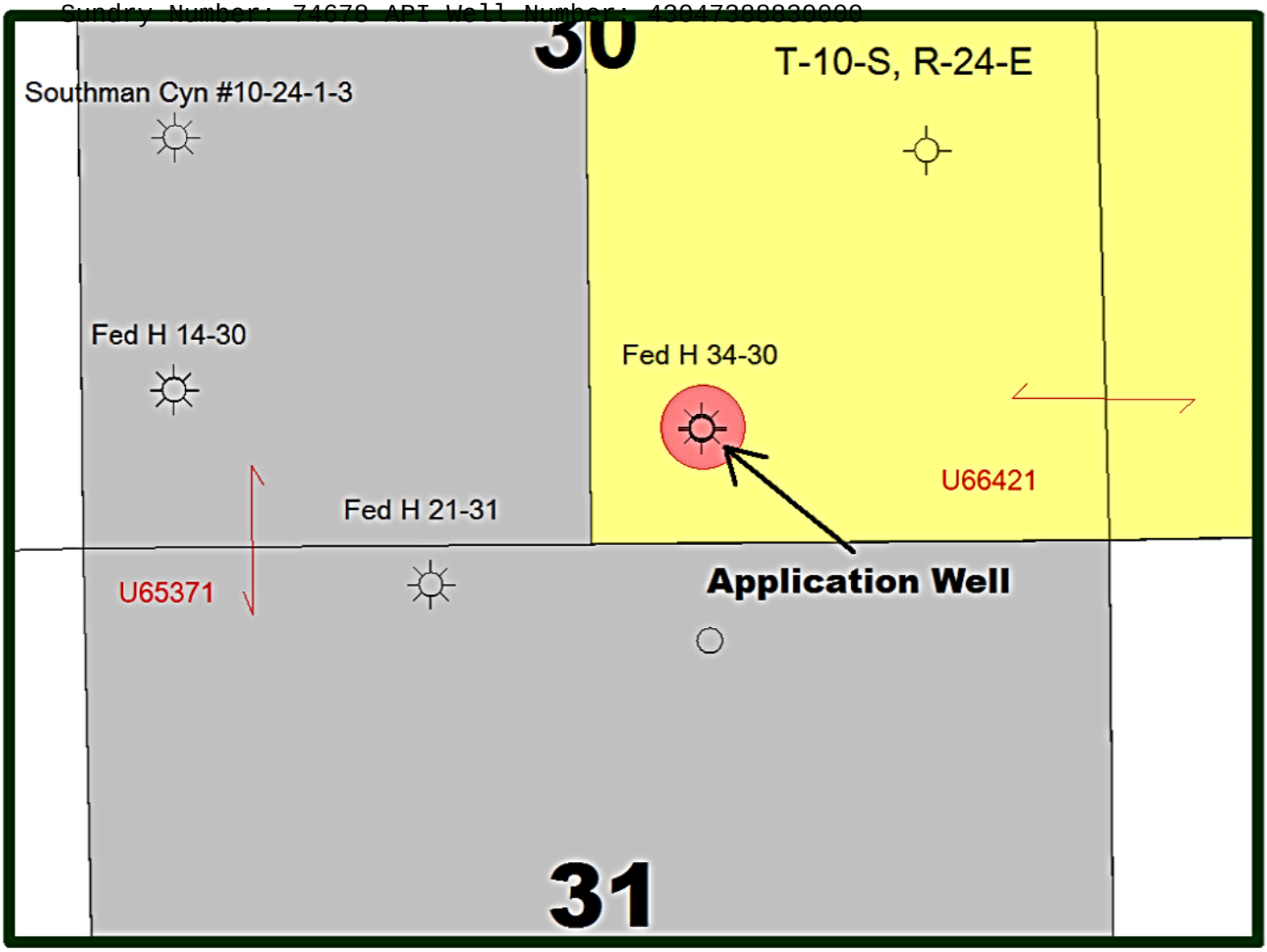
SEP – Rockhouse, LLC
531 E 770 N
Orem, UT 84097

XTO Energy, Inc.
810 Houston Street, #2000
Fort Worth, TX 76102

Enduring Resources II, LLC
511 16th Street, #700
Denver, CO 80202

Diamondback Oil Partners, LLP
5990 Kipling Pkwy, #201
Arvada, CO 80004

Cross Timber Energy, LLC
400 W 7th Street
Fort Worth, TX 76102



Summit Operating LLC

Asphalt Wash Gas Field

Uintah County, Utah

Commingling Application For: Fed H 34-30

AFFIDAVIT OF MAILING

STATE OF UTAH }
} ss.
County of Utah }

COMES NOW, Larry R. Williams, (hereinafter referred to as "Affiant"), being first duly sworn upon oath and deposes and says the following:

1. Affiant is a citizen of the United States of America, is over 21 years of age, currently resides in Salt Lake County, Utah, is the Land Manager and Corporate Counsel for Summit Operating, LLC (hereafter referred to as "Summit") and has personal knowledge of the facts set forth herein;

2. Summit is the Operator of the Fed H 34-30 Well which is located in the Southwest Quarter of the Southeast Quarter of Section 30, Township 10 South, Range 24 East, Uintah County, Utah.

3. Exhibit A, which is attached hereto and made a part hereof, is a map showing the location of wells located on contiguous oil and gas leases and/or drilling units in relation to the Fed H 34-30 Well. A search of the applicable records has revealed that the parties listed on Exhibit B, which is attached hereto and made a part hereof, are the only interest owners of the contiguous oil and gas leases, or the contiguous drilling units overlying the pool.

4. On September 27, 2016 Affiant mailed, or caused to be mailed, in the U.S. Mail, with postage prepaid, a copy of the attached Application for Commingling two or more pools (formations) in one well bore of the well described in Paragraph 2 above which is has been or is being filed with the State of Utah Division of Oil, Gas and Mining to each of the owners listed on Exhibit B.

Further the Affiant sayeth not.

Dated: September 27, 2016

Larry R. Williams, Affiant

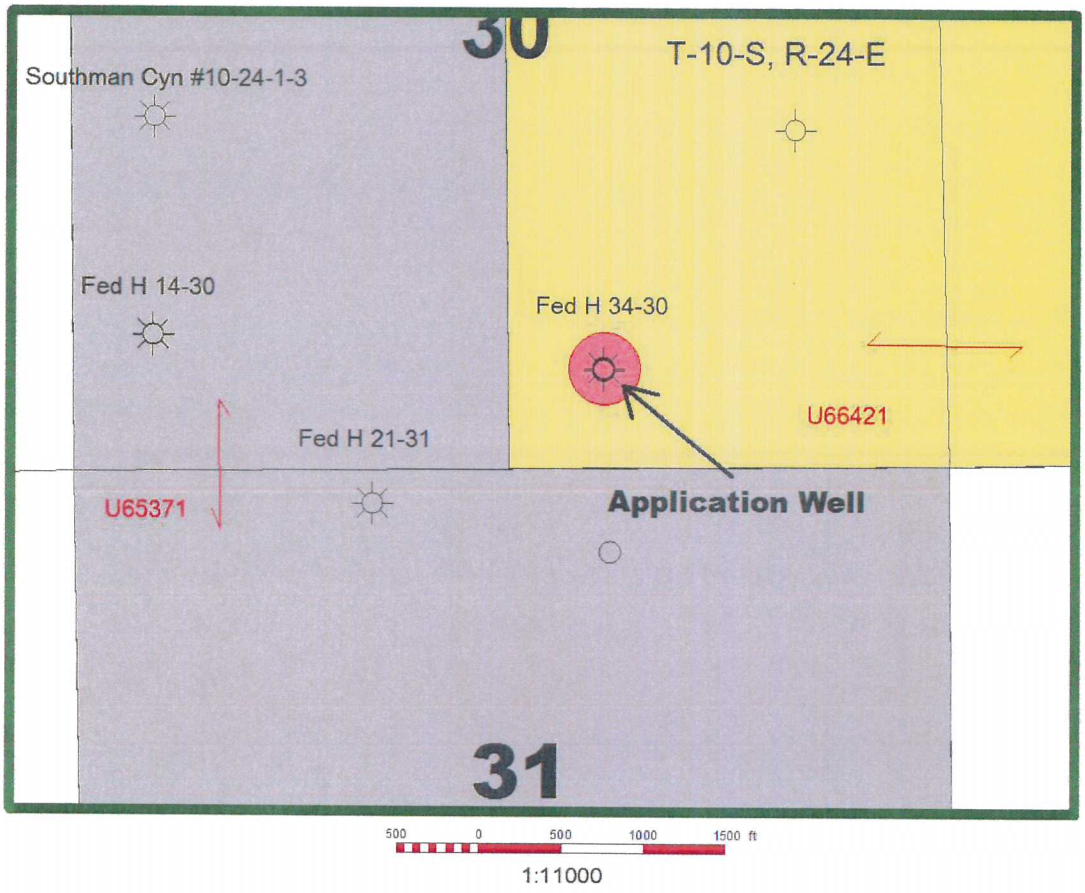
JURAT

Subscribed to and sworn before me this 27th day of September, 2016.

KRISTI HIGGS
Notary Public, State of Utah
Commission # 685539
My Commission Expires
October 24, 2019

Notary Public

EXHIBIT A



Summit Operating LLC

Asphalt Wash Gas Field

Uintah County, Utah

Commingling Application For: Fed H 34-30

EXHIBIT B

CONTIGUOUS LEASE OR DRILLING UNIT OWNERS

SEP – Rockhouse, LLC
531 E 770 N
Orem, UT 84097

XTO Energy, Inc.
810 Houston Street, #2000
Fort Worth, TX 76102

Enduring Resources II, LLC
511 16th Street, #700
Denver, CO 80202

Diamondback Oil Partners, LLP
5990 Kipling Pkwy, #201
Arvada, CO 80004

Cross Timber Energy, LLC
400 W 7th Street
Fort Worth, TX 76102